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"SEEDS THAT PRODUCE"

Johnson's Seed Annual

MAR 1 1924

U.S. Department of Agriculture

1924

IMPROVED
GOLDEN
WAX BEANS

EXTRA-EARLY
LAKE CITY
MUSKMELON

JOHNSON'S
GOLDEN STANDARD
SWEET CORN

Johnson's Seed Store
2158-60 EAST NINTH ST., CLEVELAND, OHIO
CLEVELAND'S LEADING AND MOST CONVENIENT SEED STORE

1924

To Our Customers and Friends

1924

Thirty years' experience in growing and selling seeds has given us a thorough knowledge of all the requirements and details of the business, and those who entrust their orders to us may feel every confidence that they will have intelligent and careful attention.

We are always glad to advise or suggest varieties of Flower or Garden seeds best suited to your particular conditions. Information at our store or by mail, is free and is given CHEERFULLY.

Cleveland, Ohio, January 1st, 1924.
2158-60 East Ninth St., near Prospect.

Yours for garden success,
JOHNSON'S SEED STORE.

DIRECTIONS FOR ORDERING

BUSINESS TERMS.

We Especially Invite Charge Accounts. A charge account is more convenient than to remit for each order at the time it is sent us; you pay no more for your goods by reason of this accommodation. As to our responsibility, we refer you to Dun's or Bradstreet's Mercantile Agency.

When sending your first order, if possible, send us the name and address of some one with whom you already have a charge account. This saves time.

REGARDS C. O. D. SHIPMENTS

Goods can be sent C. O. D., with the exception of perishable items, which include plants and cold-storage bulbs; these cannot be sent C. O. D. No C. O. D. shipments for any kind of goods can be made by express or freight out of town unless partial remittance accompanies the order. No C. O. D. orders can be accepted for local shipments or delivery where amount involved is less than \$2.00, except parcel post shipments, for which C. O. D. orders are accepted for amounts of 50 cents or more.

SHIPPING INSTRUCTIONS

Always state by what method you want goods forwarded, otherwise we will ship according to our best judgment.

Domestic Parcel Post Rates from Cleveland, Ohio, to any Other Postoffice in the United States.		For each First Pound	Additional Lb. Add	For each First Pound	Additional Lb. Add
1st zone within	50 miles.....	\$0.05		\$0.01	
2nd zone within	50 to 150 miles.....	.05	.01		
3rd zone within	150 to 300 miles.....	.06	.02		
4th zone within	300 to 600 miles.....	.07	.04		
5th zone within	600 to 1000 miles.....	.08	.06		
6th zone within	1000 to 1400 miles.....	.09	.08		
7th zone within	1400 to 1800 miles.....	.11	.10		
8th zone over	1800 miles.....	.12	.12		

Weight limit within the first, second, and third zones is 70 pounds; within the other zones the weight limit is 50 pounds. In all zones, the size limit is 84 inches for combined length and girth.

PLEASE ORDER EARLY

We shall greatly appreciate it if our customers will adopt our suggestion to send us their spring orders for seeds, plants and bulbs as early as possible. Shipment need not be made until you want the goods.

PARCEL POST SHIPMENT AT OUR EXPENSE AS FOLLOWS:

We pay postage charges on all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (beans, corn, peas and mixed grass seeds are **not included**), nor such other seeds where mention is made in catalog. If these seeds are wanted by mail, remit for postage at the rates quoted in table below.

OTHER PARCEL POST INFORMATION

In compiling this catalog we have endeavored to give the shipping weights on most sundries, where their nature, size and weight permits their being sent by parcel post. Liquids and poisons are excluded from the mails. Where plants and bulbs are of a nature and weight to permit parcel post shipment, allow for postage in the amount of 15 per cent of their value. If you remit more than is necessary for postage we will refund the remainder to you.

INFORMATION CHEERFULLY GIVEN.

We make a specialty of giving, by letter, any information our customers require in Gardening Matters. Do not hesitate to call on us.

Growers of vegetables or flowers for market can save money by sending for our Special Market Gardeners' and Florists' Price List, at once. It will be sent only to those who grow for market, and will not be sent to private gardeners. We cater to the most critical trade.

NOTICE—PLEASE READ.

We cannot Guarantee the Well-Doing of any seeds, plants or bulbs we send out, having no control over conditions—therefore:

Johnson's Seed Store gives no warranty, express or implied, as to description, purity, productivity or any other matter of any seeds, plants or bulbs they send out and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

WHY OUR SEEDS ARE RELIABLE. We grow what we can under our own supervision from our own pedigreed seed-stock. What we cannot grow under our own supervision we purchase by contract from professional growers whose reputation must be maintained.

JOHNSON'S TESTED SEEDS. Every lot of seed that comes into our store or warehouse is carefully tested for germination.

Johnson's Seed Store

SEEDS THAT PRODUCE

2158-60 East Ninth Street

Just South of Prospect Ave.,
West side of E. Ninth St.

Telephone Cherry 911

Cleveland's Largest and Most Convenient
Seed Store

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PLANTING TABLE FOR A HOME VEGETABLE GARDEN

Vegetables	Time to first maturity (days)	Distance between plants (inches)	Distance between rows (inches)	Number of seeds to sow per foot	Amount of seeds to buy for 100 ft. row	Depth to plant (inches)
Beans	60-80	2-5	24-36	10-20	1-2 pts.	1-2
Beets	40-90	2-4	12-30	20-40	1 ounce	1/4-1
Cabbage, early	60-110 ⁵	12-18	21-36	5	1 packet	1/4-1/2
Cabbage, late	90-130 ⁶	18-24	30-36	5	1 packet	1/4-1/2
Carrot	60-100	2-4	12-30	30-60	1/2 ounce	1/4-1
Cauliflower	70 ⁸ -100 ⁵	15-24	21-36	5	1 packet	1/4-1/2
Celery	70 ⁸ -100 ⁵	4-6	24-48 ¹	5	1 packet	1/8-1/4
Cucumber	65-80	12 ³ -36 ⁴	42-60	4 ³ -10 ⁴	1/2 ounce	1/2-1
Egg Plant	90 ⁸ -140 ⁵	24-30	24-36	5	1 packet	...
Lettuce, head	40 ⁸ -90	6-15	10-15	5 or 20	1/4 ounce	1/8-1/4
Lettuce, leaf	30 ⁸ -70	3-8	10-15	5 or 25	1/4 ounce	1/2-1
Melon	90-110	48 ⁴ -72 ⁴	60-84	4 ³ -10 ⁴	1/2 ounce	1/2-1
Onion, green	25-40	1-2	8-15	8-15	1-2 qts.	1
Onion, mature	100 ⁸ -140	2-4	15-30	20-40	1/2 ounce	1/2-1
Parsnip	120-150	3-4	18-36	20-40	1 ounce	1/2-1
Peas	50-70	1/2-1	24-36	18-30	1-2 pts.	1-2
Pepper	90 ⁸ -120 ⁵	18-30	24-36	5	1 packet	...
Potato	80-140	14-18	30-36	1 piece	1 peck	3-4
Radish	25-40	1-2	6-15	30-60	1 ounce	1/4-1
Salsify	120-150	2-3	18-36	20-40	1 ounce	1/2-1
Spinach	30-60	2-4	12-30	20-40	1 ounce	1/2-1
Squash, early	65-80	30-48	42-60	4 ³ -10 ⁴	1/2 ounce	1/2-1
Squash, late	70-100	18 ³ -72 ⁴	60-84	4 ³ -10 ⁴	1/2-1 ounce	1/2-1
Sweet Corn	70-100	18 ⁴ -36 ⁴	30-42	4-8 ⁵	1/4-1/2 pint	1-2
Tomato	60 ⁸ -90 ⁵	18 ² -48	30-48	5	1 packet	...
Turnip	50-90	2-4	12-30	30-60	1/2 ounce	1/2-1

¹For earth blanching. ²For single stem training. ³For single plants. ⁴Hills of 8 or 4 plants. ⁵For transplants. ⁶In seedbed. This table is published with acknowledgments to Cornell Extension Bulletin No. 14.

Garden Guide

A Complete Handbook for the Amateur Gardener.

Garden Guide has wonderful chapters devoted to the Vegetable, Flower, and Fruit Gardens, with practical layouts and planting plans.

It tells you in full about how to prepare and fertilize your ground, how to distinguish and get rid of insect pests.

All the flowers and bulbs with planting plans; the lawn, ornamental trees and shrubs, vines, water plants,

How to prune your plants; how to propagate plants; how to construct hotbeds and forcing frames; how to spray; about tools, rustic furniture, birds of the garden, canning, winter storage of food and plants, etc.

Covers every step from spading the ground to preserving the harvest.

Price, paper cover, \$1.00; postpaid, \$1.10; cloth cover, \$1.50; postpaid, \$1.65.

Fall Bulbs, Etc.

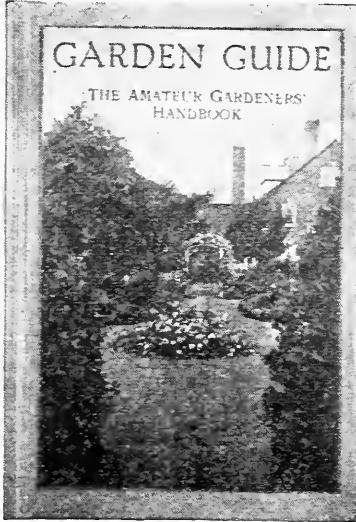
We shall in season have a large and select line of all bulbs adapted for fall planting. We import these direct from Holland, France, etc., in large quantities. Freesias. Mammoth size. June and July.

Lilium Harrisii. July and August. Roman Hyacinths. August and September.

Lilium Candidum. Paper White Narcissus, Dutch Hyacinths, Tulips and Narcissus. September and October.

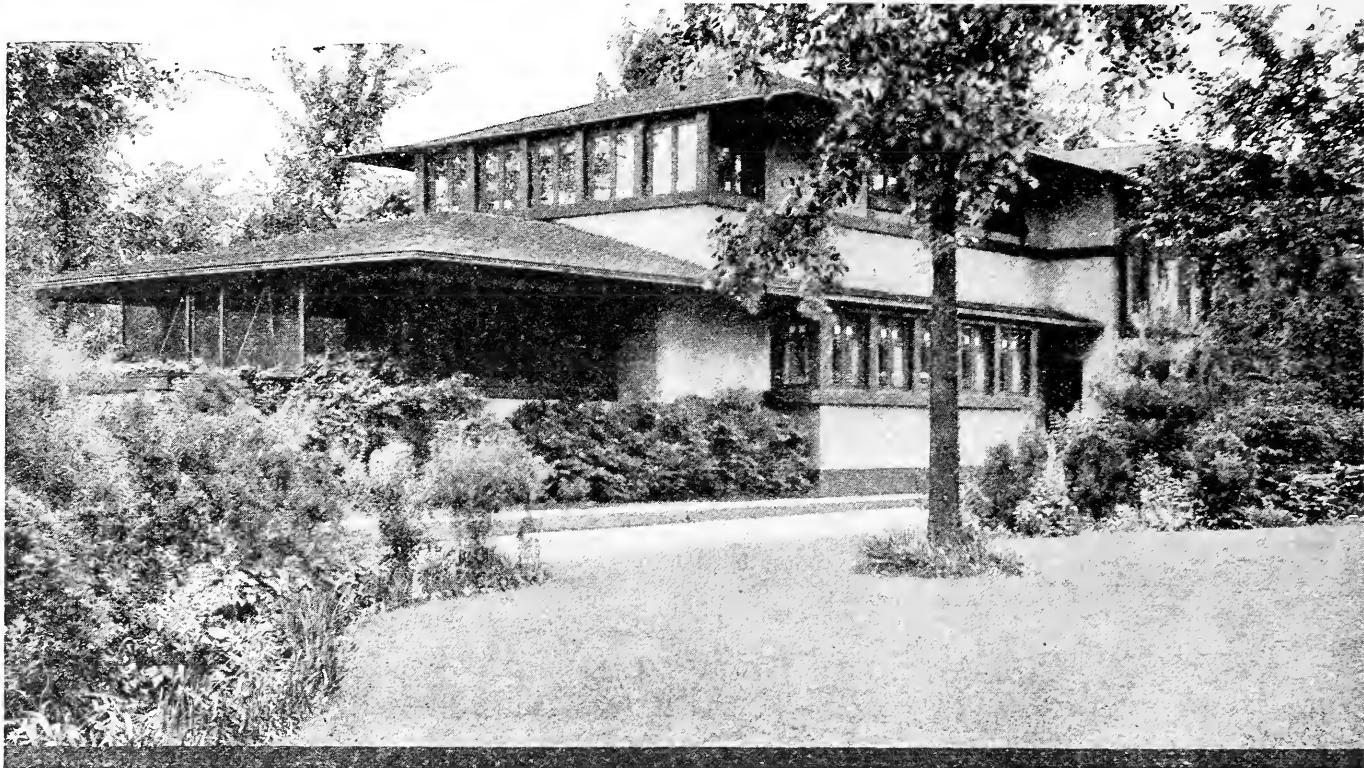
Hardy Lilies, Chinese Narcissus. October and November.

Ask for Fall Catalog. ready about September 1st.



Johnson's High Grade Lawn Seed

THE BEST SEEDS MAKE THE BEST LAWNS



Smooth, Firm, Evergreen Lawns From Johnson's Lawn Grass Mixtures.

ABOUT LAWNS AND LAWN GRASS SEED

Formation of Lawns from Seed

All grass and clover seed prices are subject to change without notice.

There is nothing more attractive than a well-kept lawn.

The ground should be thoroughly drained and well prepared. The soil ought not to be too rich, as a rapid growth is not wanted in the grasses of a lawn; but the surface should be as much alike in quality as possible and thoroughly pulverized. After sowing, the ground should be rolled if possible, in order to press the seed firmly into the soil, and ten days or so thereafter a light application of Johnson's Lawn Fertilizers will serve to stimulate the growth of the young grasses. The proper time to sow grass seed depends, of course, upon latitude. In the central and eastern states from March 15th to the middle of May is the best time; but in favorable seasons the sowing may be done up to July 1st. Seed may also be sown in the fall, from the latter part of August to the end of October or later, depending upon the weather. The sowing should be done when the ground is moist, or before an expected rain, and a subsequent rolling is always advisable. As to weeds in newly-made lawns, it may not be generally known that many weed seeds actually lie dormant in the ground for six or seven years and will germinate and make their appearance when the soil is turned up. The annual wild grasses, such as crab grass or summer grass, must be pulled up by the roots before they ripen their seed in the fall.

Johnson's "Reliable"

An Ideal Lawn Seed Mixture—Cleanest; Best; Cheapest.

The formula for this mixture was originated by our Mr. F. G. Johnson almost thirty years ago, and has been used successfully for years in laying out many of the lawns and terraces which today we greatly admire in and around Cleveland. From time to time we learn something new about the blending of different kinds of lawn seeds, applying this experience to the preparation of our mixtures, until we now believe we have the best balanced formula, superior to many, and second to none.

THE BEST FOR GENERAL PURPOSES

Our Reliable Lawn Grass Seed is the cleanest, heaviest, cheapest and best, because it is made up of Extra Recleaned Seeds of the finest varieties of grasses, each of which has its season of beauty and the result is the production of a sod that is always evergreen and velvety. Many of the finest lawns of our city are seeded with Johnson's Reliable Lawn Grass, the preparation of which is a specialty with us. Less seed of Johnson's Reliable is required than of any other brand. Hence it is economical in the end. 1 lb. will sow 400 square feet. Lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00; 20 lbs. (1 bu.), \$7.00.

QUANTITY REQUIRED FOR NEW LAWNS.

ft.; 10 lbs., (½ bu.) 4600 sq. ft.; 20 lbs., (1 bu.) 10,000 sq. ft. 1 lb. (about 3 pts.) for 400 sq. ft.; 5 lbs., (1 pk.) 2200 sq. ft. A large quantity of Lawn Seed will cover a slightly larger area in proportion than a small quantity, owing to the fact that it is easier to spread evenly.

Johnson's "Economy" Lawn Seed

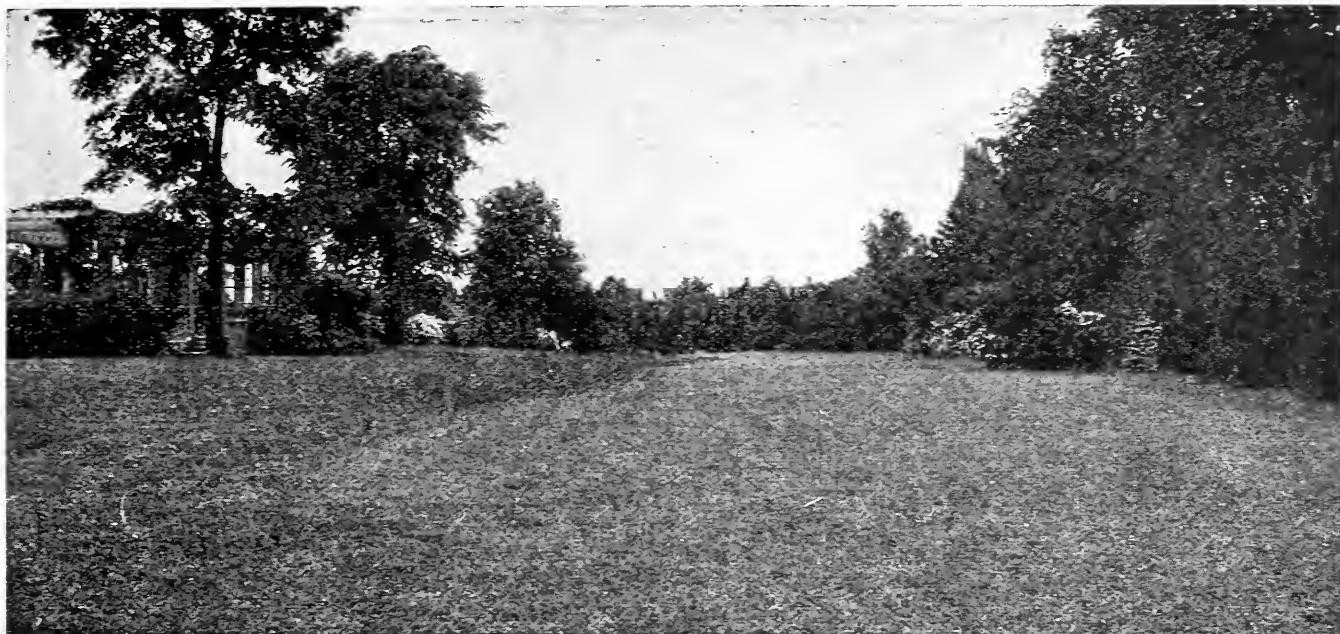
This special mixture produces beautiful and permanent lawns. It is made from our own formula, and composed of grasses which are adapted for the purpose of producing a lawn which retains its rich green color and velvety appearance throughout the summer and fall. It is well suited for various soil conditions, giving good results even in small city grass plots, where the soil is generally stiff and heavy. Lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50; 20 lbs. (1 bu.), \$6.00.

Johnson's "Shady Spot"

This is a very high grade mixture of grasses which naturally grow in shady spots. Before sowing in such places, it is well to rake off the surface thoroughly and then apply air slaked lime at the rate of one bushel to every 1,000 square feet. Use one pound of seed for every 300 square feet. Lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 20 lbs. (1 bu.), \$7.00.

Johnson's "Quick Growth"

A special mixture of seeds which is especially useful where for some reason or other the seed cannot be sown in early spring. Our Quick Growth mixture will cover the ground like magic, but later on produce a permanent and beautiful sod. Lb., 50c; 5 lbs., \$2.00.



Permanent Grass Seed for Golf Links, Tennis Courts, Polo Grounds, Etc.

We have devoted much attention to the seeding and preservation of golf links, tennis courts and polo grounds, and offer the following mixtures, which have been used on many of the finest links, etc., in this country, with very satisfactory results. Bags at cost and transportation extra. Prices subject to market fluctuation during the season.

Polo Grounds Mixture

A mixture of fine-leaved and deep-rooting grasses, forming a strong and lasting turf that will stand hard usage. No better mixture can be procured for this purpose. 25 lbs., \$11.00; 100 lbs., \$40.00.

Tennis Court Mixture

A mixture of extra fine grasses peculiarly adapted to Tennis Courts. This mixture will make a firm, green and lasting turf of the finest texture, that will improve with the trampling it receives. Has proved very lasting wherever used. 5 lbs., \$3.25; 10 lbs., \$6.00; 25 lbs., \$14.00; 100 lbs., \$55.00.

White Dutch or Lawn Clover (*Trifolium Repens*). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown on old turf or with other crops. 30c per $\frac{1}{4}$ lb.; $\frac{1}{2}$ lb., 50c; 90c per lb.; 5 lbs., \$4.25; \$8.25 per 10 lbs. Prices on White Clover subject to change.

Miscellaneous Grasses Special Prices

All Prices Quoted for Miscellaneous Grass Seeds Are Subject to Change Without Notice.

Blue Grass, Fancy Kentucky (*Poa pratensis*). Our stock of this is extra fine, thoroughly recleaned; sow 3 to 5 bu. per acre on lawns, $2\frac{1}{2}$ to 3 bu. on pasture fields (bu. 14 lbs.). Per lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00; 25 lbs., \$12.00.

Blue Grass, Canadian (*Poa compressa*). Makes an ideal pasture; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (bu. 14 lbs.) 50c per lb.; 5 lbs., \$2.25; 10 lbs., \$4.25.

Creeping Bent. (*Agrostis stolonifera*). Succeeds well in moist situations. Lb., \$1.50.

Red Fescue. For meadows or pasture on dry, hard or sandy soil. It is very hardy, a true perennial, growing from 1 to $2\frac{1}{2}$ feet high. Per lb., \$1.50.

Hard Fescue. (Bu. 14 lbs.) Emphatically a grass for dry lands, doing well on sandy and shallow silicious soils. Exceedingly hardy and withstands extremes of heat, cold and drought. Write for prices.

Wood Meadow Grass. (*Poa memorialis*) A very productive Grass, adapted for lawns or pastures. Thrives well under trees. Very scarce. Lb., \$1.25.

Perennial Rye. (*Lolium perenne*) Affords pasture very early in the spring. Sow early in the spring at the rate of 1 to $1\frac{1}{2}$ bushels to the acre. Lb., 35c; 5 lbs., \$1.25.

Rhode Island Bent. (*Agrostis canina*) A very fine variety for lawn and pasture. Lb., 75c.

New Zealand Chewings Fescue. New crop. Per lb., \$1.25. Fancy Seed.

Crested Dogtail. (*Cynosurus cristatus*) An excellent Grass for hard, dry soils. Sow .25 lbs. per acre. Lb., 95c.

Golf Links Fair-Green Mixture

For the grounds in general. Made up from varieties of grasses perfectly adapted to rough usage. Will produce a beautiful, thick, tough lawn in a short time, and will maintain its appearance better than others, in spite of wear and dry weather. For Golf Links this mixture is equal if not superior to many golf link grasses now in use. 10 lbs., \$5.25; 25 lbs., \$12.50; 100 lbs., \$45.00.

Putting-Green Mixture

Our own special formula as furnished all the leading Golf Clubs in America. A mixture of highest grade grasses, that will make a close, firm, green and lasting turf, which will improve with tramping. 5 lbs., \$4.00; 10 lbs., \$7.50; 25 lbs., \$18.00; 100 lbs., \$70.00.

Grass Seed Mixtures for Terraces

A mixture of strong, deep-rooted grasses for banks or terraces. Although the grasses are strong and deep-rooted, they will produce a fine green velvety surface, and also prevent washing away during heavy rains. Lb., 90c; 5 lbs., \$4.00; 10 lbs., \$7.50.

The Best Lawn Fertilizers

Keep the lawn fresh and green by using liberally during the summer, as a top dressing, Johnson's Superior Brand Sheep Manure. No weeds; no odor. Per 100-lb. bag, \$3.50, delivered.

If you prefer applying fertilizer in the fall, we recommend Johnson's Superior Bone Meal. Per 100 lb. bag, \$4.00, delivered in the city.

NOTE—Do not fill your lawn with weeds by using Stable Manure.

Johnson's Superior Brand Sheep Manure

For garden, lawn or greenhouse use nothing surpasses Sheep Manure; it is clean and easily handled, besides giving immediate results. Use 1,000 lbs. per acre. 2 lbs., 20c; 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50; 500 lbs., \$15.00.

JOHNSON'S SUPERIOR BRAND SHEEP MANURE.
A Wonderful Natural Fertilizer; Unequaled for the Lawn. Please See Page 60 for Prices.

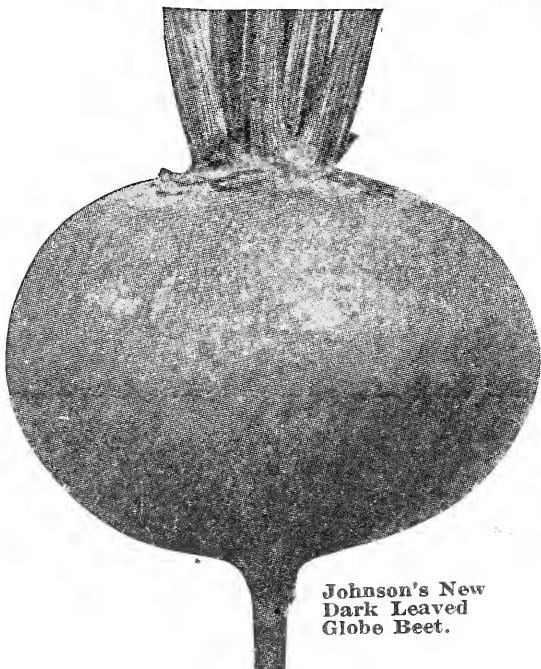
Johnson's Seeds that Produce

Of Strong
Vitality and
Choice
Selected
Strains

IN THIS CATALOG we quote all of the standard and most productive varieties of Vegetable and Flower seeds for Home and Market Gardening, as well as most of the "worth while" newer sorts. Prices Include Postage on packets, ounces and quarter pounds. It is Our Aim to handle only reliable stocks such as are true to name and have been tested for germination. We cater to Gardeners who are willing to pay a fair price for stocks of unequalled quality. Order Early. It is to your interest as well as ours.

Our Prices are
as Low as
Possible, Con-
sistent with
High Quality

Novelties and Specialties for 1924



Johnson's New
Dark Leaved
Globe Beet.

Johnson's New Dark Leaved Globe Beet

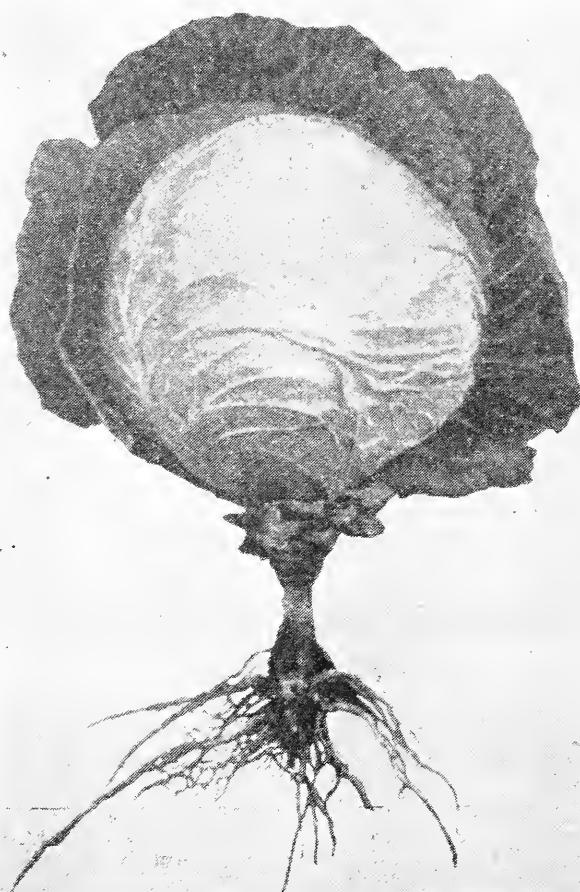
A splendid type of the blood-turnip variety, combining fancy table quality with beautiful globe shape. The dark foliage of this variety is a striking feature, while the corresponding rich, dark color of flesh and beautiful globe shape combine to make it an exceedingly attractive Beet. The quality is sweeter and finer than any other Beet we know of. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

New Extra Early Cabbage Johnson's Golden Acre

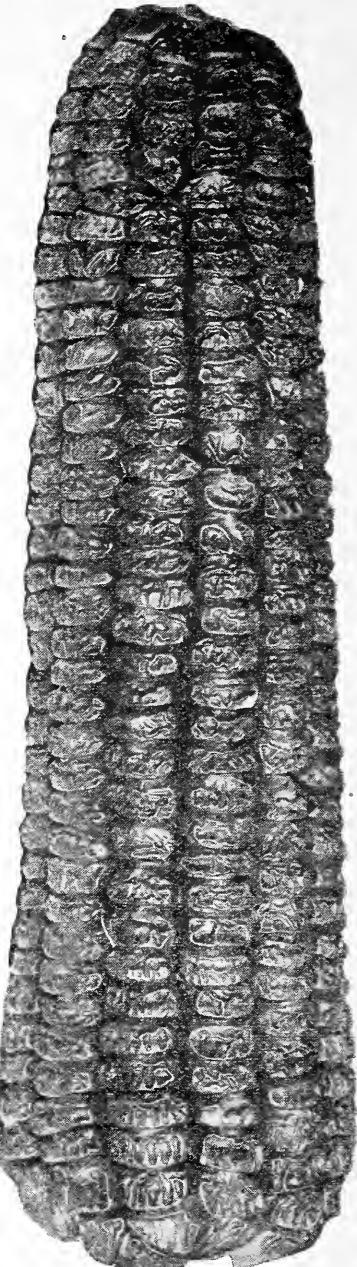
Johnson's New Golden Acre excels the Copenhagen Market in earliness, as it matures in only eighty (80) days from date of sowing, and no other Cabbage of which we know—including the earliest strain of Jersey Wakefield—has proven as early. We believe it to be the earliest Cabbage in existence.

Johnson's New Golden Acre matures about a week sooner than our stock of Copenhagen Market Cabbage and our stock of the latter is now generally conceded to be the only one still as early as when introduced. Johnson's New Golden Acre begins to form heads as soon as the leaves have reached only the size of a saucer and the growth may be observed almost from day to day.

The heads measure nine (9) inches in diameter, or just a little less than the Copenhagen Market. The plant has only thirteen (13) leaves and occupies a space of only twenty (20) inches. Pkt., 15c; $\frac{1}{2}$ oz., 60c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50.



Johnson's New Golden Acre Cabbage.

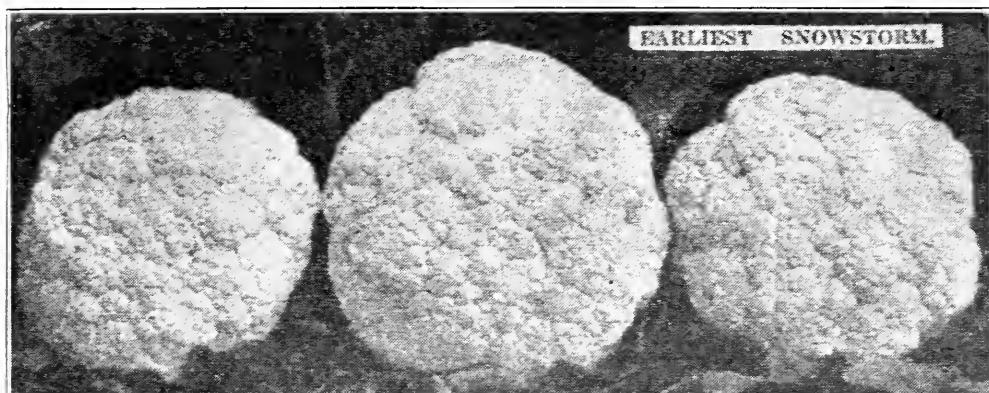


Johnson's Golden Standard
Sweet Corn.

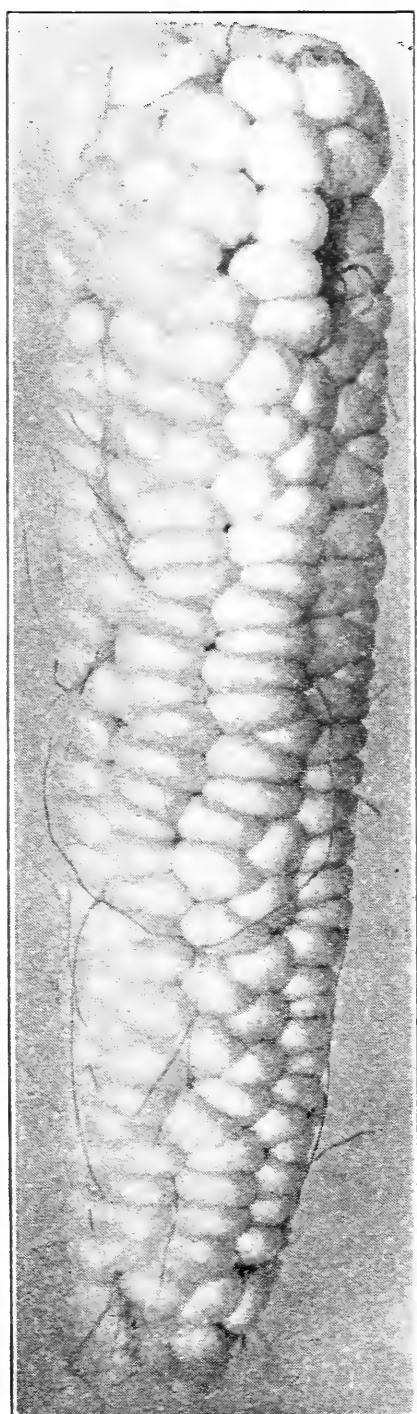
Johnson's New Golden Standard Sweet Corn

This splendid new Sweet Corn is almost identical with De Lue's Golden Giant, but we believe it is slightly larger and fully equal in quality. It is a cross between Golden Bantam and a large white sort, thus combining the rich buttery flavor of Bantam with the size and tenderness of the longer white parents. Planted in spring at same time as Bantam, the new Golden Standard will just follow the former in being ready for table use. For later successions we recommend using the New Golden Standard altogether on account of its larger size. Pkt., 15c; $\frac{1}{2}$ pt., 30c; pt., 50c; qt., 90c; $\frac{1}{2}$ pk., \$3.00.

Johnson's Earliest Snowstorm Cauliflower



GROW MORE THIS SEASON.
Are you utilizing all that ground of yours. Make it produce MORE. Plant Johnson's "Seeds that produce."



Johnson's Verifirst Sweet Corn.

EARLIEST SNOWSTORM

The very best and earliest strain of Cauliflower on the market for forcing. It is a dwarf variety, with short outer leaves, and can be planted close, 2 feet apart each way. It always makes a fine, large and exceedingly beautiful snowy white head, much earlier than any other variety. Pkt., 50c; $\frac{1}{4}$ oz., \$1.50; oz., \$5.00; $\frac{1}{4}$ lb., \$15.00.

NEW BOOK—AMATEUR GARDEN GUIDE

(See page one.)

GARDEN GUIDE covers every step from the spading up of a garden to the winter preservation of the crop. In less than five years this book has been reprinted four times, considerably added to each time, until now, in its fourth edition, with its many new chapters, we consider it unapproachable from any point of view. 275 illustrations.

Chinese Wong Bok Cabbage

Our Wong Bok Celery Cabbage is fairly leaping into popular favor. It is by far the best of its class—being shorter, heavier, and blanching up more easily and completely. The leaves of this sort are more curly than others, which proves its tenderness and rich but mild cabbage flavor. Cultivation same as for Cabbage. It is tender as head lettuce and delicious for salads, cold slaw, etc., and when cooked quickly is far ahead of ordinary cabbage. Pkt., 10c: $\frac{1}{2}$ oz., 20c; oz., 30c.



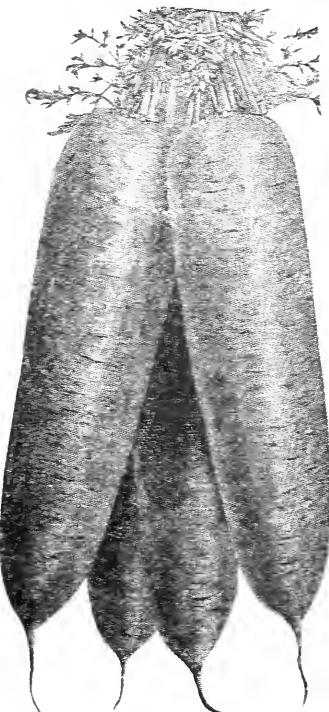
Wong Bok Celery Cabbage.

Johnson's Verifirst Sweet Corn

This new corn, now first offered, is so early that in a comparative test beside ten of the earliest sorts on the market, we found none to come within five days of being ready so soon for table use. It is a real acquisition for those who wish the earliest maturing sort either for home use or the market. Nothing that we know of can approach it for earliness, hardiness and delicious flavor. Of practically the same size as Mammoth White Cory. (See cut.) Pkt., 15c; $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 65c.

Johnson's New Extra Early Coreless Carrot

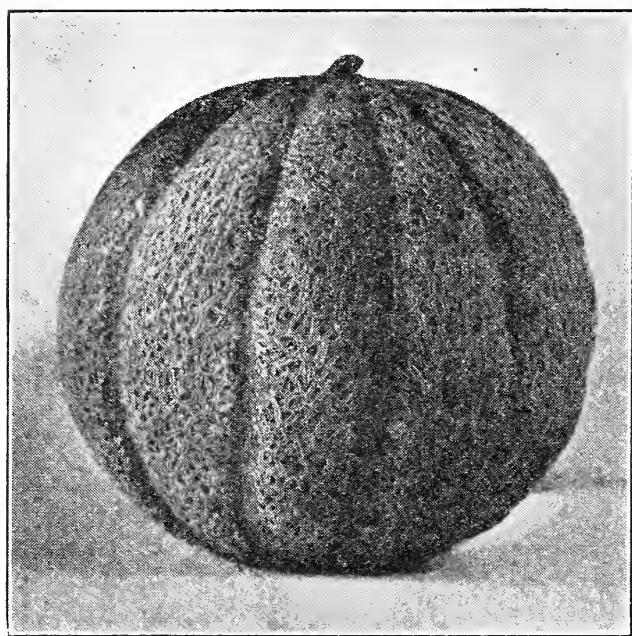
A very fine variety for table use. The carrots are very tender, of mild pleasant flavor, and without any hard core as in some varieties. The shape is ideal for a table carrot, being practically the same size from crown to bottom. The roots grow to a medium size, are very smooth, and of a deep orange-red color all through. The carrots grow rapidly and are excellent for use, when either young or full grown. Pkt., 10c: oz., 20c: $\frac{1}{4}$ lb., 60c; lb., \$2.00.



Johnson's New Extra Early Coreless Carrot.

SEE OUR
ROSE LIST
Page 43.

Extra Early Lake Champlain Muskmelon



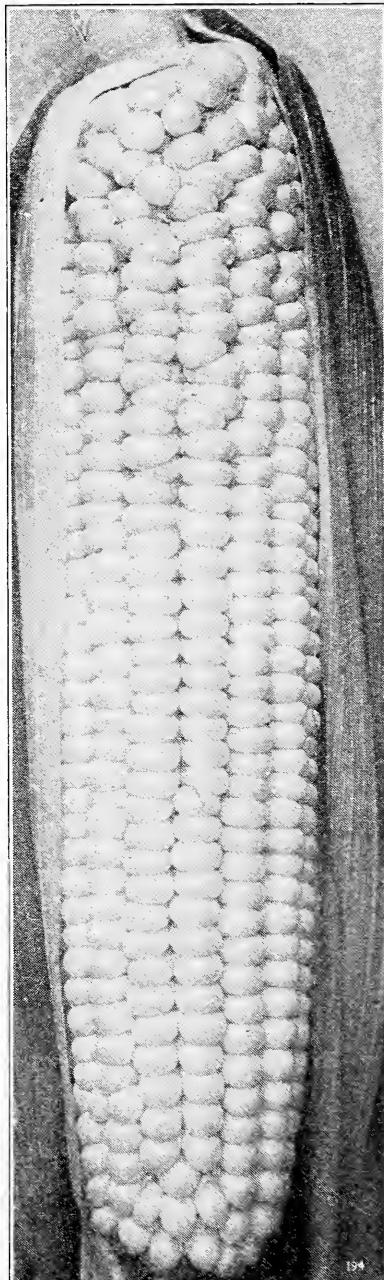
Lake Champlain Muskmelon.

This Wonderful New Muskmelon Produces Most Delicious Fruit 57 Days from Planting.

Lake Champlain is a medium sized melon, nicely netted, flesh deep, sweet and melting, of golden yellow color. The plant is very vigorous and healthy, setting and ripening melons even under adverse conditions, which totally destroyed other varieties. It is a marvel of productiveness. Another year has added to the popularity of this great melon.

Mr. H. J. Walrath, who originated this variety, writes as follows: "It blossoms when the vines are less than 12 inches long, and sets its fine healthy first crop of 8 to 10 melons right around the roots. While these extra early fruits are ripening, the vines continue to grow in length, and they in turn produce another and sometimes a third setting of fine fruits—making it not only the very earliest variety, but a continuous producer. No other melon except the Lake Champlain amounted to enough to interest melon growers. Most of them had a complete failure. Our melons were high quality as usual, and drew melon fanciers from all cities within 70 miles."

Being a marvel of earliness, productiveness and quality, it will at once prove profitable to either the home or market gardener. Pkt., 20c; $\frac{1}{2}$ oz., 50c; oz., 85c; lb., \$7.50.



Johnson's Bouquet Parsley

This New Parsley is so beautifully curled and crested that we have felt justified in calling it "Bouquet." Without doubt it is the most ornamental variety grown—and hence for garnishing has no equal. It is of dwarf, compact habit of growth, and its color is a most pleasing shade of green. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c.

Johnson's Bouquet Parsley.

Whipple's Large Early Sweet Corn

A Splendid Sort to Follow Johnson's Verifirst.

This is a wonderful new early sweet corn. It matures as early as the small-eared early kinds and has ears that look like Evergreen.

The ears have 16 to 20 rows of kernels, which are deep and rather narrow. They are tender, very sweet and delicious. No other early white corn is of such fine quality.

The ears are just the right size to serve on the cob, and we are sure this new corn will become very popular with hotels, clubs and restaurants.

The ears are 7 to 8 inches long and very large around, as they have 16 to 20 rows of good sized kernels. Each ear is filled right to the tip. The ears look like Evergreen of a fine strain, yet they mature two to three weeks earlier.

More than half the stalks have two good ears of almost exactly the same size. The yield per acre is therefore very large.

This corn matures only a few days later than the Cory, and fully as early as Pocahontas, and over a week earlier than Howling Mob and similar varieties.

Unlike other early varieties the stalks grow tall and the ears are often 4 feet from the ground.

It will be like having Evergreen corn two weeks earlier than other people, and getting nearly twice as many dozen per acre.

We advise all our customers who raise sweet corn for market to try this new variety. It will prove profitable we are quite sure. This is also a desirable variety for the home garden, as the quality of this corn is very fine, being tender, sweet and delicious. Pkt., 15c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c.

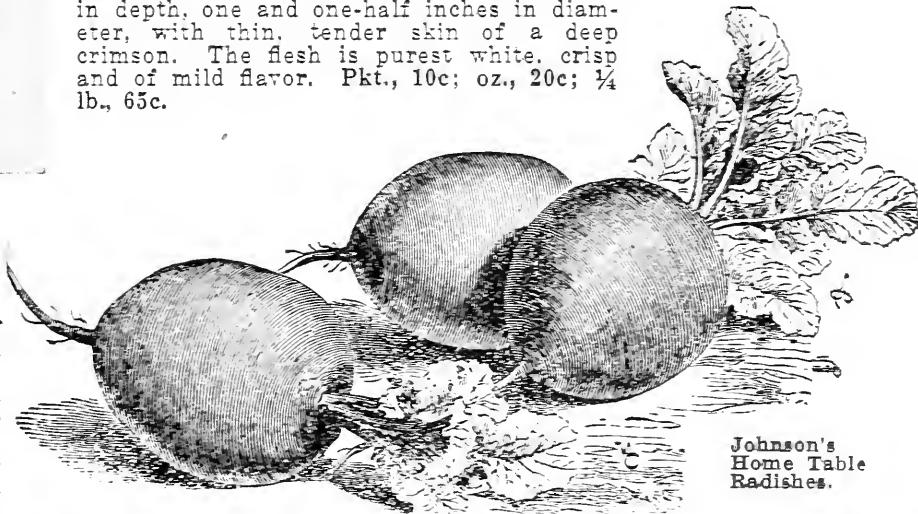
Whipple's Early Sweet Corn.



New Saxa Radish.

Johnson's Home Table Radish

A fine, bright red Radish, growing quickly to large size, following right after Saxa in maturing. It is especially fine, being ready to use in about four weeks from the time the seed is planted in the open ground early in the spring. This Radish is a deep globe in form; two inches in depth, one and one-half inches in diameter, with thin, tender skin of a deep crimson. The flesh is purest white, crisp and of mild flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c.



Johnson's Home Table Radishes.

Johnson's New Saxa Radish

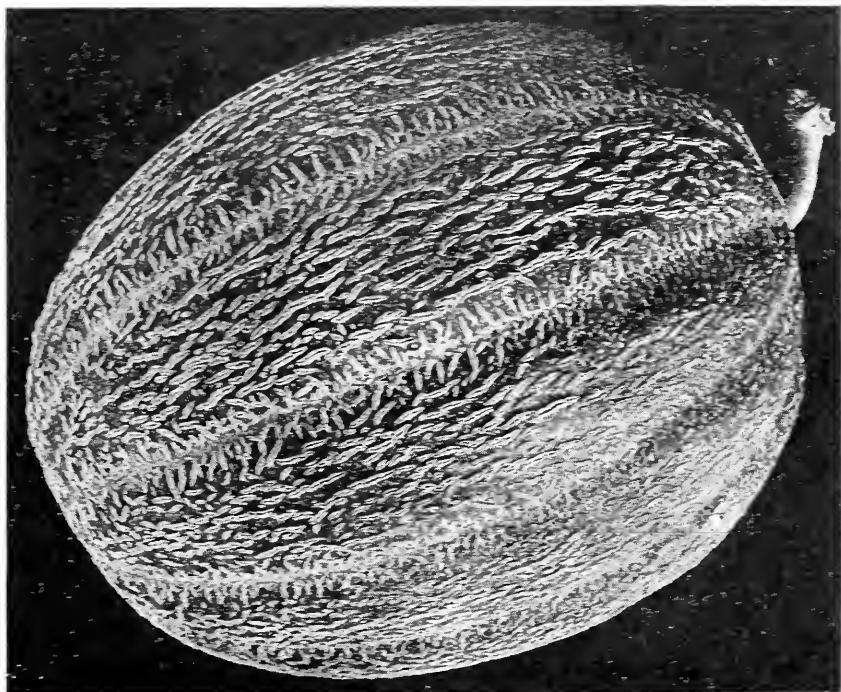
The Quickest Growing, Round Red Sort.

This desirable, quick growing, red button radish produces its crop in 16 to 20 days. Round as a marble having a very small top and tap root. The skin is a bright scarlet color, with firm white flesh, which is crisp, brittle and juicy. Adapted for forcing or out-door planting. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

New Bender's Surprise Muskmelon

A new sort which is bound to prove very satisfactory for home gardeners, because of its unusually attractive appearance, its great productiveness and its unusual keeping qualities. It ripens later than our famous Lake Champlain. When ready for market the outside color is creamy yellow, with light green netting. Shape just oval enough to make it attractive. Flesh deep orange, and quality is so fine that the consumer is always delighted. No progressive home garden should fail to include this melon. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c.

Helpful Advice Without Charge. Johnson's service does not end when the seeds are sold. Not only have we made this book a helpful guide to planting and cultivation, but should our customers require any special help on seeds, plants and bulbs, our staff of capable, practical experts is available. No charge is made. You are heartily invited to take advantage of this service, and we guarantee prompt and courteous attention.



Bender's Surprise Muskmelon.



Johnson's New Norbek Spinach.

Johnson's New Norbek Spinach

The top notch of the Spinach family, a decided improvement on all other kinds. Leaves are broad, heavy and of a dark green, glossy color, much more heavily blistered than Long Season; it will also stand at least a week or ten days longer without shooting to seed, which is an important factor. The plant is not of the rosette type, but stands more erect, and requires fewer plants to fill a basket than any other variety. A trial will convince you that this is the most profitable variety to grow. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Johnson's New Prizewinner Peas

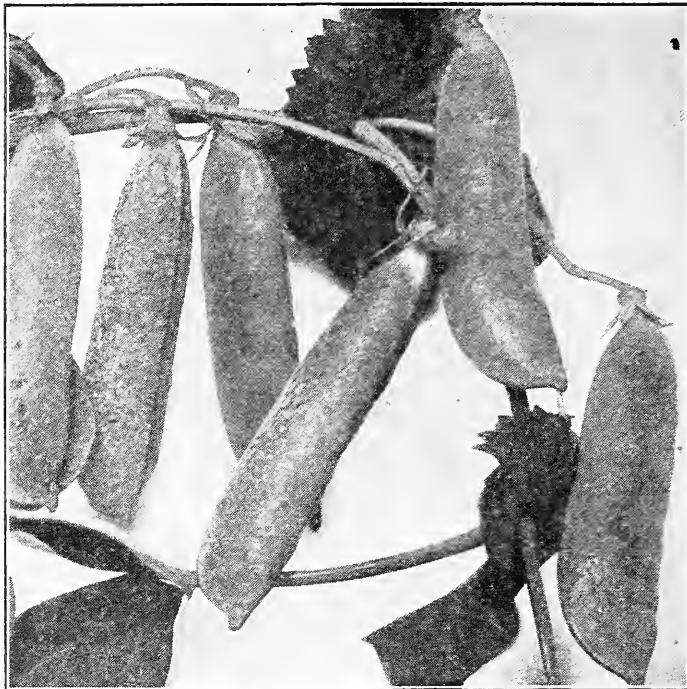
The Most Superb Table Quality.

Johnson's New Prizewinner Pea produces its pods, which are of a rich dark green color, in 68 days from planting. Pods often measure 6 inches in length, and contain from 9 to 11 peas of enormous size, and of most tender and delicious quality. The growth is strong and healthy—about 20 inches high. It is astonishingly productive, and no variety we know of will produce more pods or shell out in greater abundance. The color of foliage and pod is so unusually dark and healthy that it is always noticeable. No lover of peas should fail to grow some of these. Large pkt., 15c; $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 75c.

Early Eight Weeks

The earliest of all Peas and of exceptionally good quality for a smooth-seeded variety. Some people plant this variety exclusively, making successive plantings as the season advances, as they have found that it will give a larger yield on a comparatively small space of ground than any other sort. The vines grow 10 to 15 inches high, depending on soil and season.

Early Eight Weeks is a vigorous grower bearing loads of good-sized pods, well-filled with Peas that surpass in quality any of the older extra-early varieties. Pkt., 15c; $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 75c.

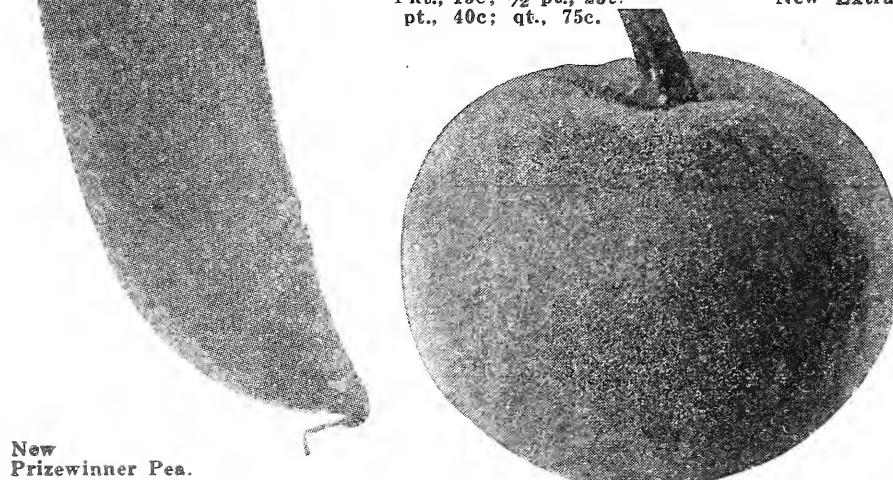


New Extra Early Eight Weeks Peas.

Pumpkin Winter Luxury

Rich, Sweet Flavor. Makes Good Pies Without Eggs. The color of the skin is similar to that of the Golden Russet Apple. Flesh yellow and very thick. Quite early, surprisingly productive, and a rapid and hardy grower. The very finest for pies, making good ones even when eggs are not used. Size, 8 to 10 inches in diameter. Large pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25, postpaid.

SPECIALTIES IN FLOWER SEEDS. See pages 28 to 31.



New Prizewinner Pea.

Pumpkin, Winter Luxury.



New Extra Early Wayahead Tomato.

New Extra Early Wayahead Tomato

Extravagant claims have been made for many different selections of Early Tomatoes, but even the best of them produce but one good picking. We are particularly gratified, therefore, in being able to offer our customers this year, for the first time, a distinct new type which has all the good qualities of Earliana and is, in addition, extra-hardy, vigorous, disease-resistant and a heavy producer, continuing to bear long after the first picking is taken off. The most distinctive feature of New Wayahead Tomato is its foliage, which is of the potato-leaved type, a characteristic that has always been associated with unusual vigor and resistance to blight, etc. The fruits are of good size, smooth, solid, bright red and of fine quality. New Wayahead Tomato will ripen as early if not a few days earlier than Earliana and is, therefore, the earliest Tomato in cultivation. Pkt., 10c; $\frac{1}{4}$ oz., 35c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

GENERAL LIST**Johnson's High Grade Vegetable Seed**
For Home and Market Gardens**Asparagus Seed**

Spargel, Ger.; Asperge, Fr.; Esparrago, Sp.

One of the finest and most delicious vegetables in spring. No garden is complete without an Asparagus bed. Can be grown in any good garden soil and prefers sunny, moist location.

Argenteuil. Very popular in France, and extensively grown for the Paris market. The stalks grow to a mammoth size, sometimes weighing as much as 4 ounces each. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c.

☞ Cultural Notes on Asparagus free on application.

Palmetto. Earlier and larger than Colossal. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c.

Asparagus Roots

We offer strong roots of following varieties: Argenteuil, Palmetto, and Conover's Colossal.

Any of the above Asparagus, 30c per doz; \$1.60 per 100; \$6.50 per 500; \$12.00 per 1000.

☞ Cultural Notes on Asparagus free on application.

New Washington Asparagus. Produces large straight shoots, dark green in color. The tips are tight and firm and do not begin to open out until well out of the ground making the finest kind of asparagus for both market and home. Those who desire to save time in bearing will do well to order our strong two-year-old roots instead of seed. 75c per doz.; \$3.50 per 100; \$30.00 per 1000.

ArtichokeArtichaut, Fr.; Alcachofa, Sp.;
Artischoke, Ger.Jerusalem. (Tubers.) Qt., 25c; pk., \$1.00;
bu., \$3.50.Large Globe. (Seed.) The flower heads are
cooked like Asparagus. Pkt., 10c; oz.,
50c; $\frac{1}{4}$ lb., \$1.50.

Improved Golden Wax Beans.

Beans—(Bush) Wax or Yellow Podded Varieties

Bohnen, Ger.; Haricots, Fr.; Habichuela, Sp.

Culture. Bush Beans may be had throughout the season, by planting at intervals of two weeks, from the beginning of May until the middle of August; they should be planted in drills, two feet apart, one seed every six inches covered one inch deep.

Improved Golden Wax. Considered by many to be superior to all others, especially for the home garden. This bean, introduced in 1876 still continues the standard variety for home use. The pods are long, nearly straight, broad, half-round, golden-yellow, very fleshy and wax-like. They cook quickly as snap beans and are of the highest quality. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c.

Wardwell's Kidney Wax. A very popular variety of Wax Bean, bearing long, flat pods of a delicate waxy yellow, stringless and brittle, producing a heavy crop. The pods mature a little later than Golden Wax, but are produced in great abundance. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c.

Davis Kidney Wax. The handsomest of all the early Wax Beans. The pods are long (seven inches), straight, very uniform and clear waxy white. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c.

Pencil Pod Black Wax. (Cylinder Pod.) Dwarf bush growth and very prolific, one of the earliest. Pods four to five inches in length, quite round; meaty, brittle, and stringless; deep golden yellow; of excellent flavor. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c.

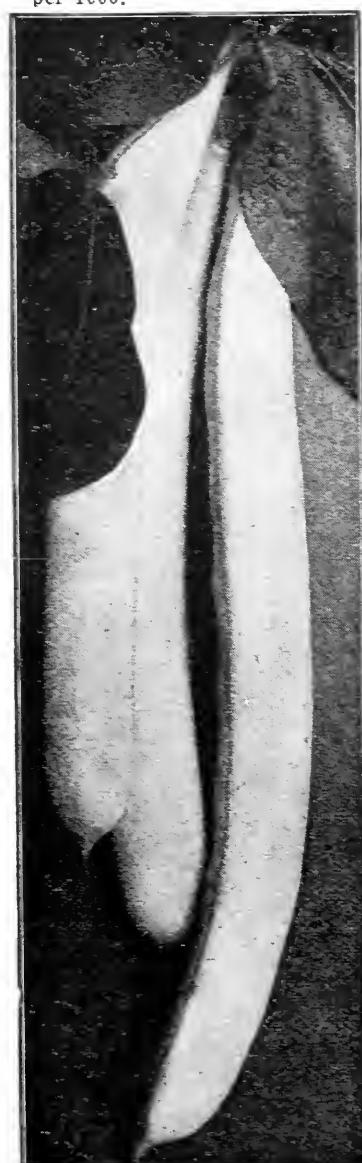
Currie's Rust-Proof Wax. An improvement on the old-fashioned Golden Wax, and ready about mid-season. Pods grow long, flat, very tender and of finest quality. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c.

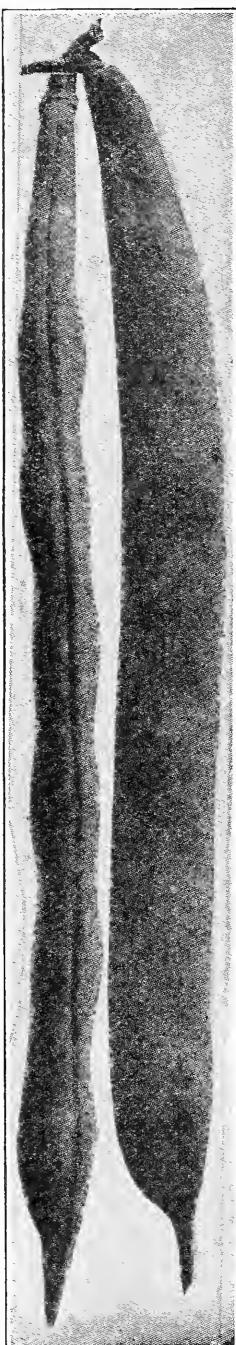
New Kidney Wax. Robust in growth and very prolific with long pods, entirely stringless, fleshy, and of fine quality. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c.

Hodson Wax. This variety is remarkably prolific, with straight, oval pods, which are longer than almost any other garden sort. In season it follows Wardwell's Kidney Wax and other standard sorts, thus giving a succession. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c.

Sure-Crop Stringless Wax. A valuable variety of Dwarf Wax Bean, which while not related to the well-known Currie's Rust-Proof Wax, bears a great resemblance to it in plant and seed. It is very productive, bearing large, handsome golden yellow pods in great abundance. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c.

Saddle-Back Wax. This variety is of beautiful shape and rich golden-yellow color. The pods are long, round, very solid and absolutely stringless. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c.





Beans—Green Podded Bush Varieties

Earliest Red Valentine. This variety is usually ready to pick in 35 days from time of planting. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 45c. **Black Seeded Valentine.** This variety is valuable because it withstands considerable cold damp weather and hence may be planted very early. The pods are round, very fleshy and entirely stringless. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 45c.

Bountiful. This one is the best of the flat-podded stringless varieties. The light green pods are $6\frac{1}{2}$ to 7 inches long, flat, slightly curved, absolutely stringless, attractive and of very fine quality. At the same time it is very early, vigorous, hardy and a heavy yelder. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 45c.

Giant Stringless Green Pod. This Bean is absolutely stringless. Fine large round fleshy tender pod. As early as Six Weeks, with the advantage of being a better cropper. The plants are of strong growth, very productive, pods 5 inches long, light green, slightly curved, very meaty, being broadly rounded, saddle backed and absolutely stringless. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 45c.

Refugee, or Thousand to One. Very tender and productive. Splendid for late planting. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 45c.

Burpee's Stringless Green Pod. This Bean is very early, productive, hardy and vigorous; the pods average about 5 inches long, straight, stout, round, crease-backed, and of a dark green color. They are tender, brittle, of the finest flavor and quality, and strictly stringless. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 45c.

Improved English Broad Windsor. Large and productive, bushy habit; well podded from top to bottom of stem. Pkt., 10c; $\frac{1}{2}$ pt., 30c; pt., 50c; qt., 85c.



Baking Varieties

Red Kidney. This variety is extensively used by many people for baking. We have a prolific type that is very desirable. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c; pk., \$3.00.

White Kidney. Excellent shell Bean. Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c; pk., \$2.50.

Improved Boston Pea or Navy. Choicest Northern grown seed. Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 20c; qt., 35c; pk., \$2.00.

White Marrow. Fine early shell beans. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c.

Pole or Running Beans

Culture. A warm, sandy loam, enriched with well rotted stable or poultry manure is best. Must not be sown until the ground is warm and dry. When poles are used for support they should be set not less than 4 feet apart each way. Plant 4 to 6 beans to a pole, eyes down 2 inches deep. When well started thin out to 2 plants to a hill. Cultivate freely, but shallow. Use 1 quart to 100 hills, 20 quarts to the acre.

Golden Cluster. One of the earliest wax Pole Beans. Vines large, strong, vigorous; pods 6 to 8 inches long in clusters, thick and fleshy; bright golden yellow. Dry Beans white and nearly round. Pkt., 10c; $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 75c.

Kentucky Wonder or Old Homestead. Excellent flavor and enormously productive; entirely stringless and of a silvery green color. About ten days earlier than any other green-pod sort. Beans are rather small, oblong and of a yellowish-brown color. Pods are green. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c.

Kentucky Wonder Wax. A yellow-podded "Kentucky Wonder," which bears a large quantity of rich golden yellow pods. The plant is exceedingly productive. Pods are thick, meaty, stringless, tender and of fine flavor. Pkt., 10c; $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 75c.

Pole Lima Beans

Carpinteria Pole Lima. The most perfect pole Lima Bean in existence. The Beans have a greenish tint, an indication of good quality. The vines are vigorous and make strong growth, producing a large quantity of Beans in a fairly large pod, which are thicker than the ordinary Lima and

retain their color. Pkt., 15c; $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 70c.

Siebert's Early Lima. The earliest of the Pole Limas. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c.

Early Leviathan Lima. Extra early and very popular. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c.

King of the Garden Lima. A popular sort for main crop. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c.

Large White Lima. The old standby. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c.

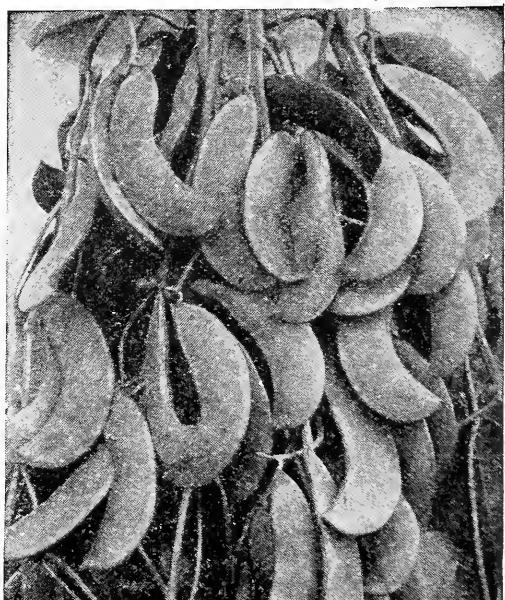
Bush Limas The 1923 crop of Bush Lima Beans was almost a total failure, making prices slightly higher for 1924.

Bush Limas may be planted in rows 3 feet apart and 6 inches distant in the row, when soil is nice and warm.

Fordhook Bush Lima. Both pods and Beans much larger than those of any other Potato Lima. Habit of plant a strong, erect, bush-like growth. Pods borne in clusters of from four to eight averaging four Beans to the pod. Exceedingly productive and of best quality. The best bush type of the popular Potato Lima. Pkt., 15c; $\frac{1}{2}$ pt., 30c; pt., 55c; qt., \$1.00.

Henderson's Bush Lima. This is a small white Lima Bean which grows in bush form and produces a large crop. The plants are very hardy, make rapid growth and are not so apt to throw runners as some of the other varieties of Bush Lima. It begins to set pods at an early season. Most exquisite table quality. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c.

Burpee Improved Bush Lima. This is superior to any of the older forms of Bush Lima. Plant very vigorous and upright, attaining a height of 30 inches and 24 inches across. Pods often borne in clusters of five to eight and of enormous size. Beans are larger than those of any other variety; immensely productive and of the very best quality. Matures earlier than others. Pkt., 15c; $\frac{1}{2}$ pt., 30c; pt., 50c; qt., 90c.



Henderson's Bush Lima Beans.

Garden Beets

Rube, Ger.; Betterave, Fr.; Remolacha, Sp.

For early supply sow as soon as the ground is in working order, in drills sixteen inches apart and one inch deep. When the plants are well up, thin to four inches. For succession sow until August 15th.

Johnson's New Dark Leaved Globe. This new Beet is recommended for table quality. (See Specialties, page 4.)

Crosby's Improved Egyptian. A very superior Extra Early strain of Garden Beet which has been carefully selected for years. This beet excels in handsome form, good size, small tops, very small tap root, fine quality, and above all quick, rapid growth. We highly recommend it. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

Johnson's New Wonder. This Beet is the result of many years of expert selection with a special strain of Crosby's as a basis. In this new beet we have perfect form, small tops and tap root, beautiful color, and extra early maturity. For forcing and bunching it is unequaled by anything on the market while the rich color, tenderness and flavor of the flesh make it extremely desirable on the table. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Detroit Dark Red. One of the very best sorts for the home or market garden, and for canning purposes. Roots uniformly smooth, of medium size, and globe-shaped; skin dark red, flesh solid vermillion red; tops small, upright, dark green shaded red. Our special stock of this variety shows no white zones in the flesh. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

Extra Select Eclipse. Flesh deep blood red, firm and sweet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

Improved Early Blood Turnip. Good form, dark red, well flavored; a favorite for summer and winter use. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

Long Smooth Blood. Withstands drought, very dark red. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

New Crimson Globe. Color is deep blood red; fine grained, and of unsurpassed quality. The foliage is small—leaves all grow from a very small crown in the top of the bulb. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

Swiss Chard

New Giant Lucullus. A delicious variety having green leaves which are remarkably crimped and curled like savoy-leaved cabbage. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Large-Ribbed White. This variety is largely grown for the broad white leaf-stalks which, when bunched and cooked in the same manner as asparagus, make a delicious summer vegetable. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Johnson's New Wonder Beets.

Mangel Wurzel

Sow in May or June in drills 2 feet apart. When well started thin to 9 inches apart in the row. Cultivate shallow and often.

Golden Tankard. The root is quite large and of an almost cylindrical shape, narrowing abruptly at both ends. The skin is deep orange red. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; in 10 lb. lots, 90c per lb.

Giant Long Red or Mammoth Prize. This is the largest of all the Mangels. The root is 15 to 18 inches long, over 6 inches thick, and with a heavy shoulder. It grows one-half above the ground and is easily pulled. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; in 10 lb. lots, 90c per lb.

Giant Half-Sugar Rose. The root of this variety is very large, smooth, and clean, of oval shape, growing one-half out of ground and is easily pulled. The skin is rose white with a deeper rose-colored tip. A heavy cropper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; in 10 lb. lots, 90c per lb.

Sugar Beets

Vilmorin's Improved. The finest variety grown. Highest in nutritive value and in percentage of sugar. Very regular in shape; yields large crops and is recommended for moist soils. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; in 10 lb. lots, 90c per lb.

Brussels Sprouts

Rosen Kohl, Ger.; Chou de Bruxelles, Fr.
Bretones de Bruselas, Sp.

Culture.—Same as late Cabbage.

Half Dwarf Paris Market. A dwarf variety, producing numerous heads. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 90c.

Cardoon

Kardon, Ger.; Cardon, Fr.; Cardo, Sp.

Cardoon is grown for the edible midrib of the leaf, which requires blanching in the same manner as celery. Sow sparingly, early in spring, in drills 1 inch deep and 4 or 5 feet apart; later, thin out the young plants to about 2 feet apart in the row.

Large Smooth Spanish. Grows about 4 feet high. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c.

Chervil

Kerbel, Ger.; Cerfeuil, Fr.; Perifollo, Sp.

One ounce will sow about 100 feet of drill.

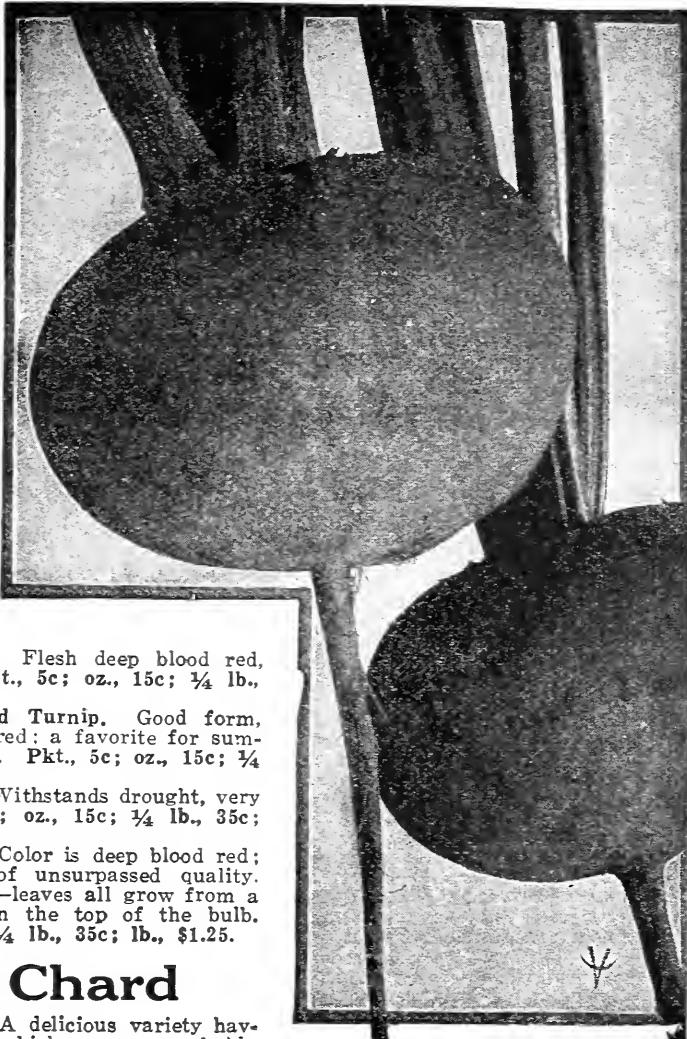
Culture.—Sow in drills one foot apart in early spring or fall; covering seed about one-half inch. Thin out plants to 4 inches in row; leaves ready in 6 to 8 weeks. Curled variety used like Parsley. Can also be sown in August or September; thin out to six inches in row, and rows fifteen inches apart.

Curled. Largely used in soups and salads. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

Broccoli Hardier than Cauliflower.
Spargel Kohl, Ger.; Chou-Brocoli, Fr.; Brocoli, Sp.

Culture.—Should be treated the same as cauliflower, which it resembles. Grows larger and taller.

White Cape. The large white heads are handsome; of delicate cauliflower flavor. Matures its heads in 150 days. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c.



Cabbage

For very early use sow in January or February in hotbeds; prick out the plants into other hotbeds, or sow in hotbeds in March. Transplant to the open ground when danger from killing frost has passed, in rows 2 feet apart and 18 inches from plant to plant. For succession sow in the open ground the last of March or early in April. The autumn and winter varieties may be sown early in May in shallow drills 3 or 4 inches apart; transplant early in July, making the rows about 2½ feet apart, and setting the plants 2 feet apart in the rows.

JOHNSON'S NEW GOLDEN ACRE CABBAGE.

(See page 4.)

Johnson's Copenhagen Market

This most valuable early Cabbage from Denmark, produces a large globe-shape head, which comes into market along with Early Jersey Wakefield. It is well known that Denmark is a great Cabbage and Cauliflower country, and our seed comes direct from the originator. Produces fine, large heads uniform in shape and size and very solid, with few loose leaves. Vigorous grower and an excellent keeper. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.25.

Johnson's Premium Flat Dutch

Continued care and critical selection on the part of our grower have given us a very thoroughbred strain of this standard Cabbage. The heads are flat on top, and are solid and large. It cuts white and crisp, the flavor is excellent, with no stringiness. This strain is slightly earlier and quicker growing than most of the Premium Flat Dutch that is offered. We do not hesitate to recommend our stock to the largest growers, as it has been so long bred to a standard that it can truly be called a pedigree strain. Our seed has come from the same grower for over 20 years. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

Select Early Jersey Wakefield. The standard early variety, conical in shape; medium-sized heads; very solid. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

Glory of Enkhuizen. Standard early variety of round-headed type; grown to good size. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Charleston Wakefield. Not quite as early as the regular Jersey Wakefield, but the heads are considerably larger, very solid. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

Henderson's Early Summer. About ten days later than Jersey Wakefield; large, solid flat heads of superior quality. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

Succession. About one week later than Early Summer, but is double the size; very uniform and a sure header. One of the finest mid-season Cabbages grown. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

All Seasons. (Selected.) Whether for medium early, main crop or late use, this is unsurpassed by any other sort. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

Large Late American Drumhead. One of the largest, most solid, and best keeping late varieties. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

Carrots

Mohre, Ger.;
Carotte, Fr.;
Zanahoria, Sp.

Carrots, to grow to perfection, require a rich, deep sandy loam, well pulverized and deeply cultivated. For an early crop sow in May and June in drills about 1 foot apart, thinning out to 3 inches in the row; sow for main crops in June and July.

Johnson's New Extra Coreless Carrot. See page 5.

Earliest Short Horn. (French Forcing.) This variety is one of the earliest to mature, and may be used when only four or five leaves have formed. The roots do not grow large, are almost globular in shape, reddish-orange color and excellent flavor. Excellent for forcing under glass for both early and late sowing outside. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Select Chantenay Half Long. (See illustration.) An excellent table variety of a rich, dark orange color. In earliness it ranks intermediate between the Danvers and the Short Horn. It is of the style of the Danvers, but finer, and more symmetrical. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Extra Select Danvers. This is a broad-shouldered Carrot of cylindrical form about 8 inches in length by 2½ inches in diameter at the shoulder. Color, orange red; skin smooth; cooking qualities superb. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Selected Oxheart. Stump rooted. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25. **Early Scarlet Horn.** Especially fine for bunching early in season. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Improved Long Orange. Very popular for main crop; heavy yielder. Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., \$1.25.

Rubicon. A little thicker than Danvers. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25. **Large White Belgian and Large Yellow Belgian.** For feeding. Either sort. Pkt., 5c; oz., 10c; ¼ lb., 30c.



Copenhagen Market Cabbage.

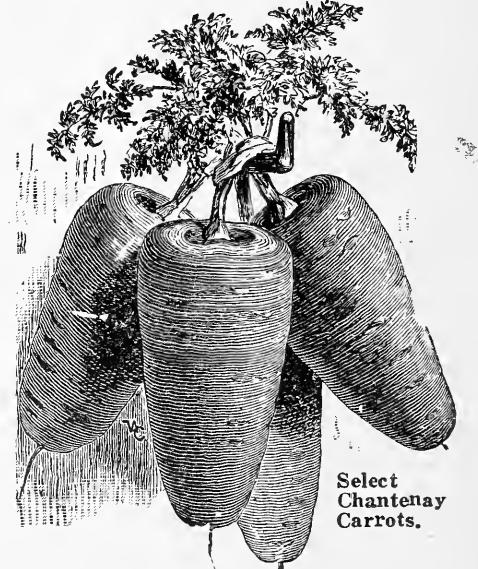
Perfection Drumhead Savoy. For winter use, this variety is unsurpassed. The largest solid-heading Savoy, and has the rich flavor of the cauliflower. The plants are strong and vigorous, and withstand the ravages of the cabbage worm better than other sorts. This is the best kind of Savoy Cabbage. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

Mammoth Red Rock. The largest and most reliable heading red cabbage yet introduced; round, solid heads of deep red color. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.25.

Danish Ballhead, Short Stem. Direct from best grower in Denmark. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.25.

Volga or Early Stonehead. Splendid for either early or fall planting. Very solid. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

New Chinese Cabbage, Wong Bok. (See page 5.) This wonderfully improved Chinese Cabbage has such a delicate flavor that it has been variously named, "Odorless Cabbage," "Celery Cabbage," etc. We earnestly advise all who want something new and better, to try it. Grown same as Cabbage. Makes an extra fine salad. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.50.



Select Chantenay Carrots.

Cress or Pepper Grass

Garten Kresse, Ger.; Cresson, Fr.; Berro o Masteurzo, Sp.

Culture.—Can be sown in the early spring, outdoors in rows 1 foot apart, covering seed about one-quarter inch and sow thickly.

Extra Curled. Pkt., 5c; oz., 15c; ¼ lb., 50c.

True Water Cress. Pkt., 10c; oz., 35c.

True Georgia Collards

Blatterkhol, Ger.; Chow Coba, Fr.; Cabu, Sp.

Forms a loose head of cabbage-like leaves, which are largely used for greens; ready for use in 45 days. Sow like cabbage. Set a foot apart in rows 2 to 3 feet apart. Can also sow seed in June, July and August.

Pkt., 5c; oz., 15c; ¼ lb., 40c.

Corn Salad

(Fetticus) Stecksalat, Ger.; Mache, Fr.; Canonigos, Sp.

Culture.—Treat like lettuce, except that it may be planted closer, as it is smaller. It is hardy, and may be carried through the winter in cold frame or under litter.

Pkt., 5c; oz., 15c; ¼ lb., 40c.

Cauliflower

Blumenkohl, Ger.; Chow Fleur, Fr.; Coliflor, Sp.

Cauliflower succeeds well in any soil where Cabbage will grow. It delights in a rich soil and abundance of water. By sowing the early varieties in a hotbed in February or March, fine heads can be obtained in May or June. For a later supply sow seed in a prepared bed in May, choosing a cool, moist place. When large enough, transplant, making the rows about 2½ feet apart and 18 inches between the plants. Transplanting should be done in moist weather.

We challenge comparison of our Cauliflower seed with stock offered by anyone. It comes from the most reliable grower in Denmark and no expense is spared to get the best.

Johnson's Earliest "Snowstorm" Cauliflower. See page 5.

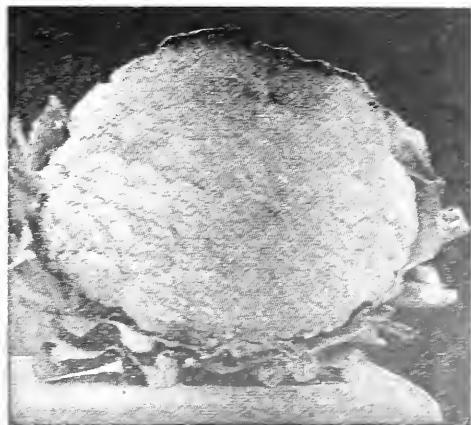
Gilt Edge Snowball. Early; compact. Reliable for heading. Genuine Denmark grown. Pkt., 15c and 25c; ¼ oz., \$1.25; ½ oz., \$2.25; oz., \$4.00.

Early Dwarf Erfurt. This is a very reliable and popular variety when our select seed is used. We handle only the best seed grown. Heads very white, compact and close. Pkt., 15c and 25c; ¼ oz., \$1.10; ½ oz., \$2.00; oz., \$3.75.

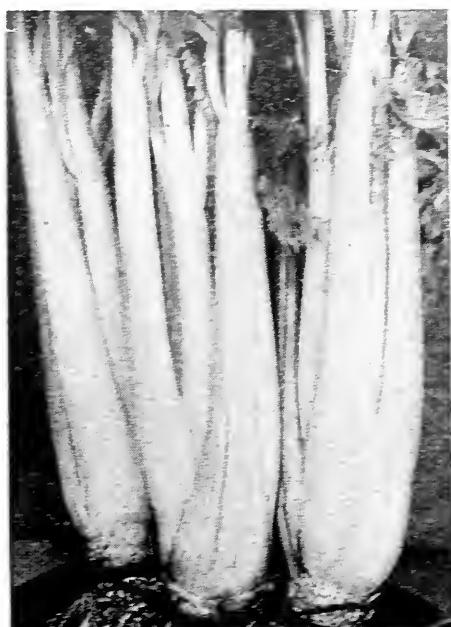
Danish Giant or Dry Weather. Quite early and will succeed when other sorts fail. Pkt., 25c; ¼ oz., \$1.25; ½ oz., \$2.25; oz., \$4.00.

Early Favorite. This is a second early, exceedingly hardy, easily grown sort.

It is perhaps the best sort for the inexperienced grower, as it will head under conditions in which many sorts would fail. The large heads are crisp, tender and of fine quality. It keeps in condition for use a long time. Pkt., 10c; oz., \$1.50; 2 oz., \$2.50; ½ lb., \$4.50.



Gilt Edge Snowball Cauliflower.



Columbia Celery.

Celery

Sellerie, Ger.; Celery, Fr.; Apio, Sp.

Sow very early in Spring in moist rich ground. When the plants are from 4 to 6 inches high transplant into trenches 4 inches deep, 9 inches wide, and 3 feet from trench to trench; set the plants 6 inches apart in rows.

Golden Self-Blanching. Strictly French Grown seed. We are very proud of the showing made by our stock of Golden Self-Blanching in the Cleveland markets last season. Its rich yellow color is very attractive. It is of dwarf, compact habit and blanches readily. Pkt., 10c; ½ oz., 65c; oz., \$1.25; ¼ lb., \$4.50.

Columbia. Stalks are thick, almost round, and resemble Giant Pascal in shape, but are of a rich, yellow color, similar to the well-known Golden Self-Blanching. It matures early and its exceedingly fine flavor and crispness will please the most critical. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

Fordhook Emperor. Noted for its solidity and pronounced nutty flavor. Pkt., 10c; ½ oz., 30c; oz., \$1.25; ¼ lb., \$3.50.

New Easy Blanching. This fine new Celery is about two weeks later than Golden Self-Blanching, but blanches much easier and is much superior in quality. Pkt., 10c; ½ oz., \$1.10; oz., \$2.00.

Winter King. Noted for its long-keeping qualities. The plant makes a healthy growth, producing stout stalks, which blanch up beautifully, and the quality and flavor are excellent. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

Giant Pascal. Strictly French Grown seed. No other sort equals Giant Pascal for Winter use at home and for nearby markets. It is too crisp for shipping. The stalks are remarkably large, thick, solid and entirely stringless. Very crisp and brittle, snapping like glass. Pkt., 10c; ½ oz., 30c; oz., 65c; ¼ lb., \$1.75.

Improved White Plume. A most popular variety, requiring very little blanching up; fine flavor, and very tender. Pkt., 10c; oz., 30c; ¼ lb., 75c.

TURNIP ROOTED CELERY. (Celeriac) Pkt., 10c; oz., 25c; ¼ lb., 60c.

Gurken, Ger.; Concombre, Fr.; Pepino, Sp.

Culture.—Flourish best in a rich sandy loam. Sow when danger of frost is over, in hills 4 to 5 feet each way. As the young plant has many enemies sow thickly half an inch deep, and thin out finally to three or four plants to the hill. Use one ounce of seed to 75 hills; two or three pounds to the acre. Gather cucumbers by cutting not by tearing. Leave none to ripen if you want a full crop. Use Slug Shot to keep down bugs.

Johnson's Perfect White Spine. (See illustration below.) This is the finest type of White Spine in cultivation. Perfect shape and dark green color. The result of many years' selection. Pkt., 5c; oz., 20c; ¼ lb., 50c.

Extra Long or Evergreen White Spine. Vines are of vigorous growth with large, heavy foliage, thus resisting attacks of insects, etc. Pkt., 5c; oz., 15c; ¼ lb., 40c.

Arlington White Spine. Very popular strain of White Spine. Our seed is very select. Pkt., 5c; oz., 15c; ¼ lb., 40c.

Boston Pickling or Green Prolific. The favorite for pickles. Rather short dark green. Pkt., 5c; oz., 15c; ¼ lb., 35c.

Johnson's Selected Davis' Perfect. A long type of cucumber, of rich, dark green color and handsome shape. Our stock is very select. Pkt., 5c; oz., 20c; ¼ lb., 65c.

Jersey Pickling. Extremely productive and very popular. Pkt., 5c; oz., 15c; ¼ lb., 35c.

Improved Long Green. A late variety especially adapted for pickles. Deep green. Pkt., 5c; oz., 15c; ¼ lb., 40c.

Klonadike. A most excellent table sort for slicing. Few seeds; very tender and of fine flavor. Pkt., 5c; oz., 15c; ¼ lb., 40c.

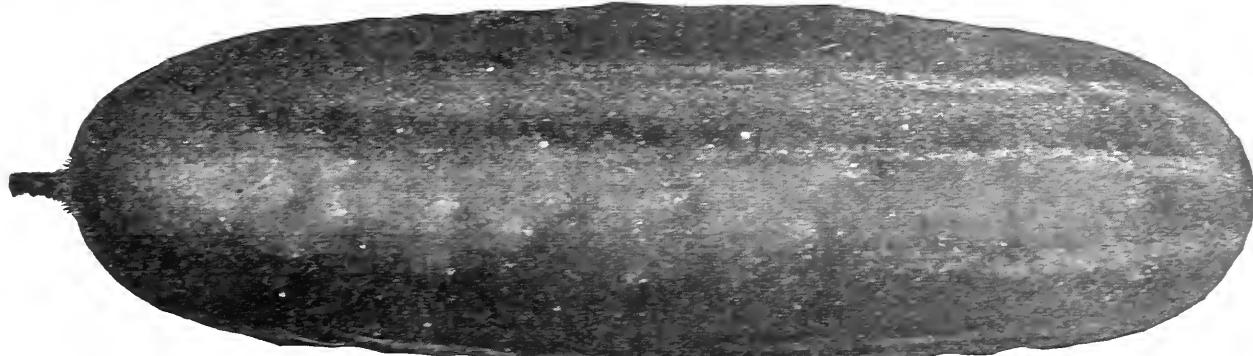
Chicago Pickling. Handsome shape, medium size. Pkt., 5c; oz., 15c; ¼ lb., 35c.

Japan Climbing. Fine for home use. Long, slim shape. Pkt., 5c; oz., 20c.

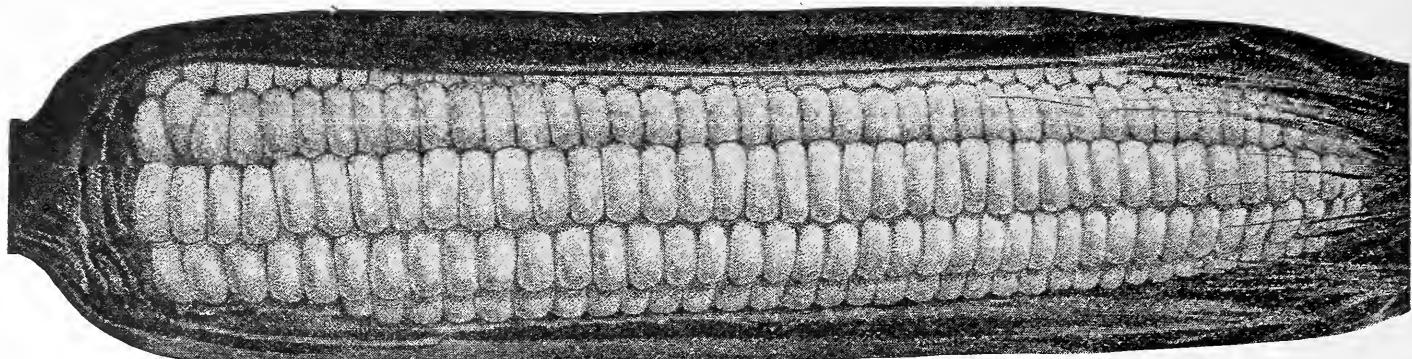
West India Gherkin. For pickling. Fruit is prickly. Pkt., 5c; ½ oz., 20c; oz., 35c.

Rollinson's Telegraph. For greenhouse forcing. Pkt., 25c.

Carter's Model. For greenhouse forcing. Pkt., 25c.



Johnson's Perfect White Spine Cucumber.



Golden Bantam Corn.

Sweet Corn

Mais, Ger.; Mais, Fr.; Maiz, Sp.

The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession continue every two weeks, until the middle of July, in hills 3 feet apart each way, covering about half an inch, and thin out to 3 plants to a hill.

Whipple's Large Early Sweet Corn. (See page 6.)

Johnson's New Verifirst. (See page 5.)

Johnson's New Golden Standard. This new sort is very similar to De Lue's Golden Giant and we recommend it very highly. See full description and cut on page 4.

Makes a fine succession for Golden Bantam. Pkt., 15c; $\frac{1}{2}$ pt., 30c; pt., 50c.

Earliest Mayflower. This is a ten to twelve rowed white corn, larger than Mammoth White Cory and from three to five days earlier. Three seasons' trials of this splendid sort have convinced us that it is the coming extra early Corn. Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c.

Golden Bantam. Produces ears measuring about five inches, but the smallness of ears is fully made up by the deliciously sweet flavor and tender quality of the Corn when cooked. By all odds the finest extra early variety when quality is considered. Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c.

Howling Mob. A large eared early sweet corn, ready for use about five days later than Mammoth White Cory, generally producing two good ears to a stalk, averaging 7 to 9 inches long, with 12 to 14 rows of pearly white grains. The stalks grow 4 to 5 feet high. An excellent home or market sort. Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 35c; qt., 40c.

Mammoth White Cory. Considered one of the best early Sweet Corns. It produces stalks about four feet high, each generally bearing two large, finely shaped ears which become fit for use in about 52 days. They are 12-rowed, six to seven inches long, very symmetrical and handsome, seldom with any opening between the rows at the base. Grain large, broad, very white and of remarkably good quality for such an early sort. Its size and beauty give it ready sale even when the market is overstocked. Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c.

Early Evergreen. Ripens about ten days earlier than Stowell's Evergreen. Ears large and uniform. Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c.

Stowell's Evergreen. The most popular variety grown, ears large and very sweet. Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c.

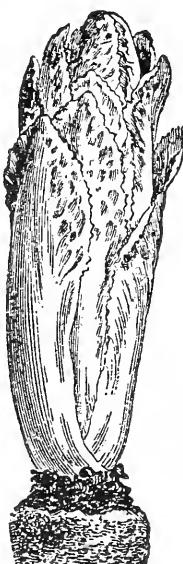
Country Gentlemen. The finest of all sweet corns for the table, and when once used no other sort is quite good enough. A very heavy husk protects this Corn which retains its tenderness and keeps it "in the milk" a surprisingly long time. Ears average eight to nine inches in length; cobs small and grain very deep. Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c.

Chicory (French Endive)

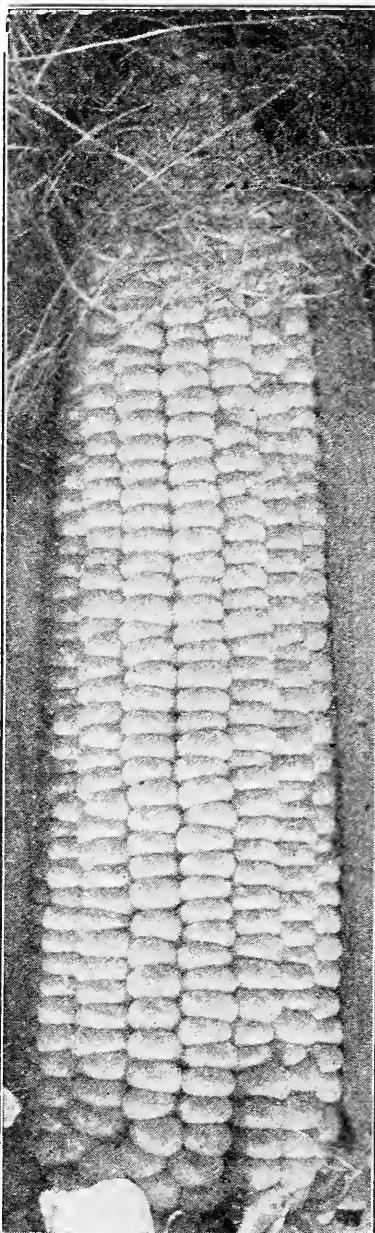
Witloof. Known in restaurants as French Endive. Sow in May and June in drills, Transplant or thin to 6 inches; treat as

Endive, except that late in summer or fall it should be gradually banked up like celery. The stalks, when blanched, make delicious salad. It may also be allowed to grow in the garden until the tops die down, leaving a root somewhat like a parsnip. These are taken into a shed and kept in a heap of soil away from frost and light, to be transferred to a hothouse when needed to produce their blanched heads during winter.

Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c.



French Endive.



Earliest Mayflower Corn.

Dandelion

Loewenzahn, Ger.; Pissenlit, Fr. Amargón, Sp.

A hardy perennial. Sow in early spring, in drills half an inch deep, and thin to 2 or 4 inches in the row. Improved Thick Leaf. Pkt., 10c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

Dill

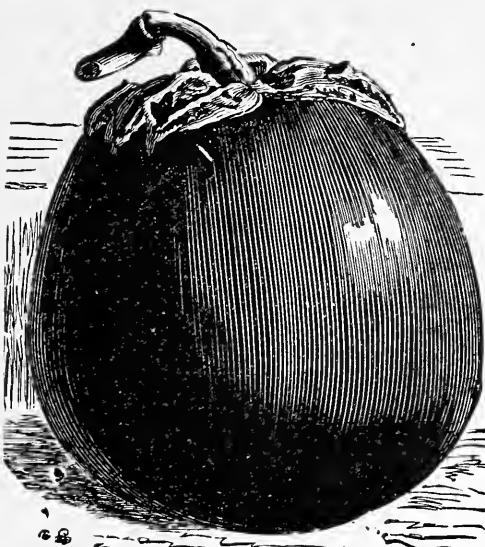
Long Island Mammoth. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Garlic Sets

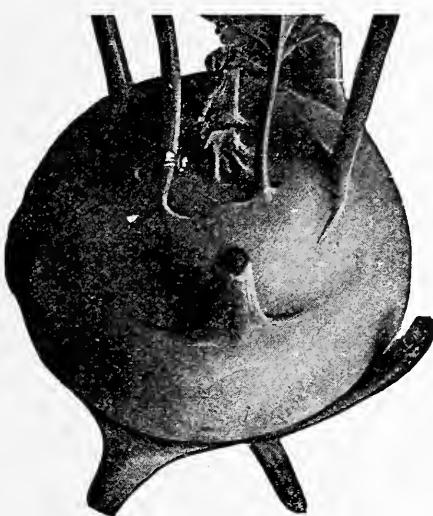
This is extensively used in many places for flavoring soups, stews, etc. The sets should be planted early in Spring. Cultivate like onions. $\frac{1}{4}$ lb., 30c; lb., \$1.00.

JOHNSON'S SELECT GARDEN ROSES.

We specialize in supplying extra strong two-year-old plants that will give a full crop of flowers this season. They will be found on page 43 comprising the choicest of the latest introductions as well as the best of the well-tried sorts including Hybrid-Tea, Hybrid-Perpetual, Hardy Ramblers, etc.



Johnson's Select New York Purple Egg Plant.



Kohl Rabi.

Dwarf Green Curled Scotch. Very hardy, nicely curled. Most popular sort. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Dwarf Curled Siberian. (German Greens.) Dwarf curled; bluish-green; very hardy. May be sown in August. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c.

Tall Curled Scotch. Grows tall and very curly. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c.

Egg Plant

Eierpflanze, Ger.; Aubergine, Fr.; Berengena, Sp.

For best results, Egg Plants require rich soil, moisture and warm weather. Sow in gentle heat from middle of March to middle of April. Transplant from June 1st to June 15th, setting the plants about 3 feet apart each way.

Johnson's New Purple Tokyo. This is the finest sort for home use. Extra early, surprisingly prolific, quality splendid. Size about 7 inches long and 2 inches in diameter. Pkt., 10c; $\frac{1}{2}$ oz., 50c.

Black Beauty. A splendid sort about two weeks earlier than New York Purple. Color dark rich purple. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

Johnson's Select New York Purple. The most popular main crop sort, fruit being largest and handsomest of all. Very solid, of rich shining deep purple color. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

Endive

Endivie, Ger.; Chicoree, Fr.; Endibia o Escarola, Sp.

One of our best salad plants, especially valuable for winter use. For a first crop, sow about the middle of April; for succession, small sowings may be made every month until August, when the main planting is made. Set out the plants one foot apart.

Green Curled. A hardy, vigorous growing Endive with bright green leaves. The dense mass of deeply divided leaves formed in the center blanches very readily to a rich color. This sort is highly esteemed for the home garden, and is much used for salads. Pkt., 10c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 60c.

Everwhite Curled. (See cut). Blanches rapidly and is very tender. Pkt., 10c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 60c.

Broad Leaved Batavian. (Escarolle.) Leaves long and broad, thick and succulent. One of the choicest salads. Pkt., 10c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 60c.

Kohl Rabi

Khol-Rabi, Ger.; Chou Rave, Fr.; Nabo o Nabicol, Sp.

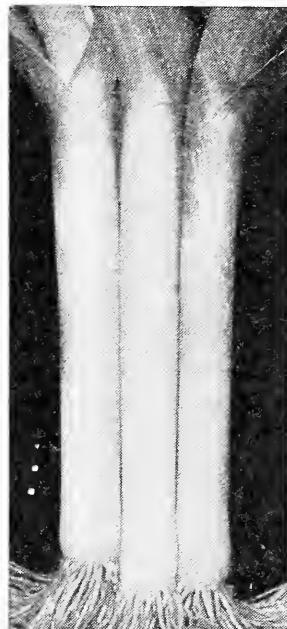
(One ounce produces 2,500 plants.)

If you have never grown Kohl Rabi, you should try it this year. It is a most excellent vegetable, intermediate between the cabbage and turnip. Cultivate like cabbage and, when young, cook like turnips.

Early White Vienna. Flesh clear white, outside greenish white. Most popular. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c.

Early Purple Vienna. Same as above excepting skin is purple. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c.

Large Green. A late, very large-growing sort with immense bulbs, stems and leaves. Pkt., 10c; oz., 30c.

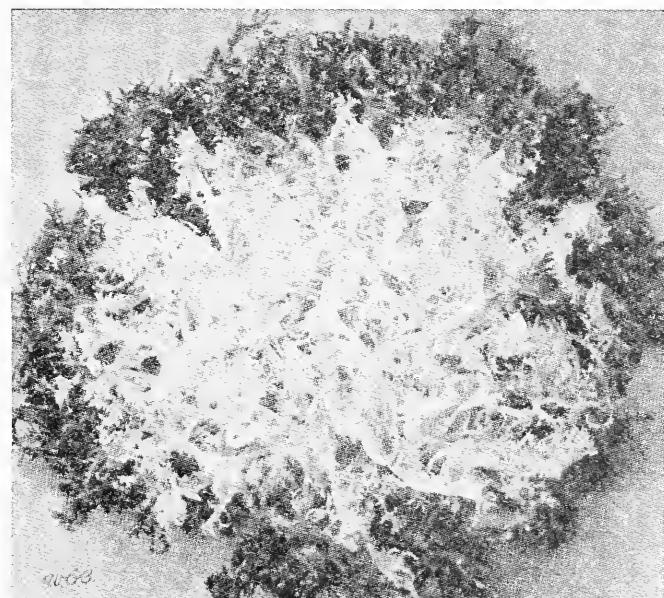


Leek.

Kale or Borecole

Blatterkhol, Ger.; Chou Vert, Fr.; Breton, Sp.

Sow about middle of April in well prepared beds covering thinly and evenly. Plant out in July like cabbage and give same culture.



Everwhite Curled Endive.

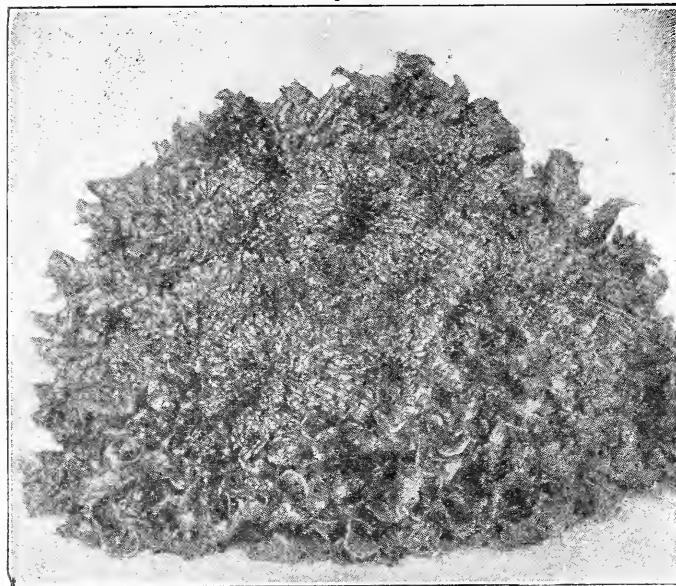
Horseradish Roots

Maliner-Kren. This new variety from Bohemia is larger, earlier, and whiter than the common kind. We highly recommend it. Doz., 25c; 50, 75c; 100, \$1.25.

Common Variety. Very choice sets grown by an expert. Doz., 15c; 100, \$1.00.



Horseradish.



Black Seeded Simpson Lettuce.

Cos Lettuce

Considered by many the highest type of lettuce; has distinct upright habit, very crisp and sweet. Needs transplanting.

Trianon Self-Closing Cos. Leaves long, narrow, forming close upright heads. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Paris White Cos. Very early, requires tying to blanch. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Melon, Musk

Melone, Ger.; Melon Muscade, Fr.; Melon Almizcleon, Sp.

After all danger of frost is over, and the ground has become warm and dry, plant in hills 4 to 6 feet apart each way, 6 to 12 seeds to a hill. When up, and all danger of insects has passed, pull out all but 3 plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting.

Johnson's New Lake Champlain. (See page 6.)

New Bender's Surprise Muskmelon. See page 7.

Emerald Gem. (Salmon flesh.) (See cut.) This beautiful melon is early and prolific. The skin is smooth, of a deep emerald green color. The flesh is thick and firm, ripening almost to the rind. Well adapted to Northern Ohio. Noted for its high quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Honey Dew. This new sort is well worthy of a trial by all who love Muskmelons. It has created sensations wherever high class hotels have served it. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c.

Selected Osage. Well suited to sandy soil. Yellow flesh, fine quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Paul Rose. Fine for clay soil. Salmon flesh, size medium. Very early. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

New Fordhook. Salmon flesh, flattish shape, well netted, flesh thick, very early. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Tip Top. Select Stock. Good size, superb quality; salmon flesh. Our stock is fine. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Extra Early Hackensack. Standard extra early sort. Green flesh. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Netted Gem or Rocky Ford. The melon which made Rocky Ford famous. Small, early, green flesh. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Sutton's Windsor Castle. (English Forcing.) The best green fleshed variety for greenhouse. Pkt., 25c.

Carter's Blenheim Orange. (English Forcing.) The best scarlet fleshed variety for the greenhouse. Pkt., 25c.

Melon, Water

Wasser Melone, Ger.; Melon d'eau, Fr.; Zandia, Sp.

Phinney's Early. The finest of all the early maturing melons of medium size and oblong shape. The rind is thin. The red flesh is very sweet and tender. The vine is productive and a sure cropper, the melons maturing early. Adapted to all sections, and does exceptionally well in the Northern States. The very quickest sort to mature. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Cole's Early. Very early. Large heart, flesh of fine texture and good flavor. Rind thin. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Ice Cream. Exquisite quality; red flesh, medium size; early. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Sweetheart. Large, very fine flavor, solid, fine shipper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Peerless. Very similar to Ice Cream. Quality fine. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Kleckley Sweet. A new melon. Very popular. Long, dark; exquisite quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Citron. For preserving. Very hardy and productive. Good keeper.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Lettuce

Lattich Salat, Ger.; Laitue, Fr.; Lechuga, Sp.

Lettuce thrives best in a light, very rich, moist soil. For first crop sow in gentle heat in February, and transplant to 10 inches apart. For a summer supply sow thinly in shallow drills 18 inches apart, and transplant or thin out, leaving a foot between the plants. Sowing may be made from April to the end of August.

Butter-Head Lettuce

Iceberg. A curly Lettuce, large, solid heads. The outer leaves are light green in color, and their habit of branching towards the center of head is a great aid to the blanching of heart. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

Big Boston. Fine for forcing in coldframes or for early outdoors. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Dreer's Allheart. Splendid for greenhouse forcing or for very early outdoor heads. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Burpee's Wayahead. A new and very desirable early heading sort for outdoor culture, in the home garden. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

French Unrivaled. This is similar to Big Boston excepting that the leaves are solid green and not tinged at edges. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

California Cream Butter. A splendid Cabbage Lettuce; outside leaves light green, inside crystal white, with yellow heart. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Black Seeded Tennis Ball. The best heading variety for use under glass. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Hanson Improved. Heads large, and stands the summer well. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Improved Salamander. Large heads that stand the drought and heat longer than any other. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Mammoth Black-Seeded Butter. A large head of splendid quality. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

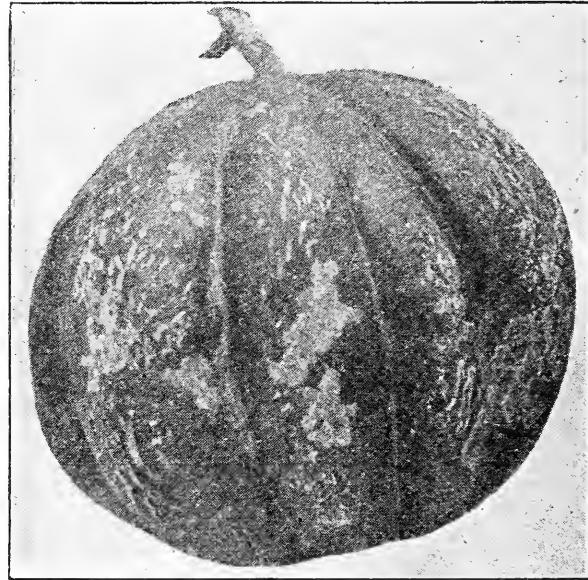
May King. Extra large, round solid heads. Very early. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Loose-Leaved Lettuce

Grand Rapids Forcing. Crisp and tender; leaves frilled. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Early Prize Head. A large clustering lettuce, most excellent for the home garden and the most easily grown variety in cultivation. Too tender to stand handling on the market. The leaves are very crisp, tender and sweet. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 45c.

Black Seeded Simpson. (See illustration.) One of the best for sowing outdoors. Exceedingly tender. The color is an attractive light yellowish green. The leaves are ruffled and blistered. Pkt., 5c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 55c.



Emerald Gem Muskmelon.

GARDEN GUIDE

A COMPLETE INEXPENSIVE BOOK on Vegetable and Flower gardening. We sold almost 300 copies of this most excellent little book last season and purchasers tell us it is just as complete as many of the more expensive publications. You will find it offered on page one.



Mushroom Spawn

HAVE FRESH MUSHROOMS ON YOUR TABLE
EVERY DAY.

Pure Culture. (In bricks.) The finest quality. This is vastly more dependable than the old style of English Mill-track Spawn, and costs but little more. Bricks, 35c each; 10 bricks, \$3.00. Ask for prices for large lots. Free Leaflet on Mushroom Culture on request.

Okra or Gumbo

Okra, Ger.; Gombo, Fr.; Quimbombo, Sp.

Sow after the middle of May, or early in June, in rich soil in drills about an inch deep and 3 feet apart; thin out to 8 inches.

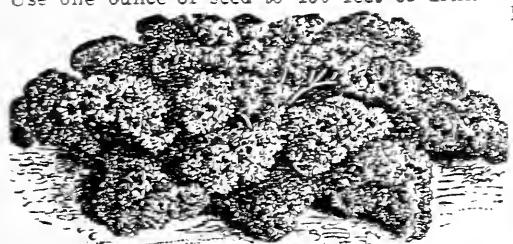
White Velvet. Tender white pods, of smooth and velvety appearance. Pkt., 5c; oz., 10c; 1/4 lb., 30c.

Perkins' Mammoth. The long pods measuring 4 to 5 inches are produced in great quantities. The appearance is handsome, of green color and best quality. Pkt., 5c; oz., 10c; 1/4 lb., 30c.

Parsley

Petersilie, Ger.; Persil, Fr.; Perejil, Sp.

Culture.—Soak seed for several hours and sow in border or frame. Thin the rows or transplant to 8 inches each way. Use one ounce of seed to 150 feet of drill.



voring soups, etc. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25. Champion Moss Curled. A choice selected strain, with crimped and curled leaves. Pkt., 5c; oz., 15c; 1/4 lb., 40c.

Johnson's New Bouquet. (See page 6.)

Peanuts

New Mammoth Bush. These nuts make compact bushes eighteen inches high, with heavy, erect stalks. They produce a large quantity of the mammoth nuts, adapted for culture in our northern climate, especially in light or sandy soils. Half pint, 20c; pt., 35c; qt., 60c.

Parsnips

Pastinaca, Ger.; Panals, Fr.; Pastinaca, Sp.

Culture.—Parsnips do best in deep, rich, sandy soil, but will make good roots on any soil which is deep and mellow and moderately rich. As the seed is sometimes slow to germinate it should be sown as early as possible; cover one-half inch deep, and press the soil firmly over the seed; give frequent cultivation and thin the plants 6 or 8 to the foot. One ounce will sow 150 feet of drill: 5 lbs., one acre.

Improved American Hollow Crown. (Guernsey.) An improved strain of the old standard Hollow Crown. This has been selected for handsome form, whiteness of skin and flesh, firm, solid texture good size, uniform shape and freedom from tendency to side roots. Pkt., 5c; oz., 15c; 1/4 lb., 50c; lb., \$1.75.

Onion

Zwiebel, Ger.; Oignon, Fr.; Cebolla, Sp.

Johnson's Ohio Yellow Globe. Our seed of this finest of all Yellow Globe Onions is grown in Lake Co., O., by one of the most expert onion men in the state. The strain is distinguished by a distinct attractive shape and a handsome bright even yellow color—ripens early and all at once; neck very small, and cures down to almost nothing. The firm, solid bulbs are excellent winter keepers, and all that can be desired in size and quality; yielders—800 bushels per acre are frequently grown on rich onion land. This is a superb onion for all classes of soil and especially good for all northern Ohio onion sections on account of quick maturing. Prices of select stock grown in Northern Ohio. Pkt., 5c; oz., 20c; 1/4 lb., 65c; lb., \$2.50.

Ailsa Craig. It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes, in which it is a successful competitor of large, imported Spanish onions. The shape is globular and it forms a fine thin neck for a large onion. A splendid keeper; for eating raw it has no superior, it is mildly pungent in flavor, sweet and desirable. Pkt., 10c; oz., 30c; 1/4 lb., \$1.00; lb., \$3.75.

Southport Red Globe. Select Stock. Immense yielder. Very popular. Pkt., 5c; oz., 20c; 1/4 lb., 65c; lb., \$2.50.

Yellow Globe Danvers. Select Stock. The standard sort so long in use. Good keeper and yielder. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., \$2.00.

Mammoth Yellow Prizetaker. American grown seed. Grows very large and handsome. White flesh, mild flavor. Pkt., 5c; oz., 20c; 1/4 lb., 65c; lb., \$2.50.

Southport White Globe. A magnificent globe-shaped white variety, very popular. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00; lb., \$3.50.

Southport Yellow Globe. Handsome, globe-shaped sort of large size, yellow skin, white flesh, fine grained, mild, firm and good keeper. Has yielded 1,000 bushels per acre. Pkt., 5c; oz., 20c; 1/4 lb., 65c; lb., \$2.50.

White Portugal. Very early, flat white sort. Mild flavor. Largely used for growing sets. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00; lb., \$3.50.

White Queen. Used to produce pickling Onions. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

Onion Sets

As soon as the ground can be worked in Spring, set in rows 1 foot apart and three inches in the row. For succession continue planting every two weeks.

White Bottom Sets. Mild. Very popular. Qt., 25c.

Yellow Bottom Sets. Preferred by many on account of stronger flavor. Qt., 20c.

Egyptian Winter Sets. Plant in August and September for use late in fall and following spring. Very hardy. Qt., 20c.

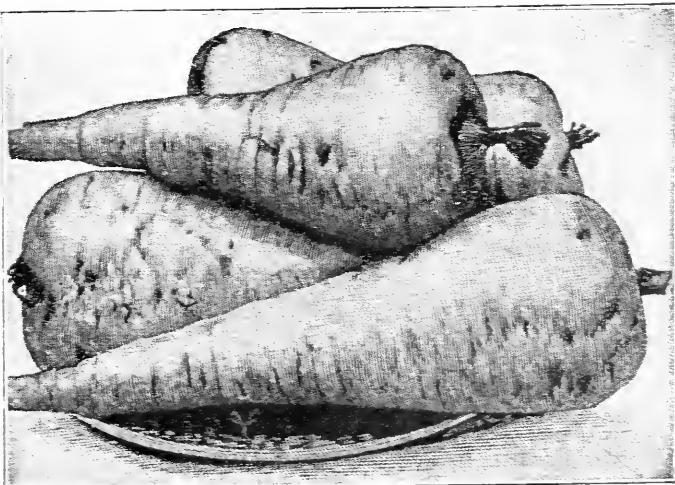
Mustard

Senf, Ger.; Moutarde, Fr.; Mastaza, Sp.

Sow thickly during early spring, in shallow drills 12 inches apart. For fall use, sow in September.

Southern Giant Curled. The large leaves, which often measure 14 inches, are ready for use in about six weeks after sowing. Continues to yield until frost. Leaves are eaten boiled like spinach. Pkt., 5c; oz., 10c; 1/4 lb., 30c.

Fordhook Fancy. Plants are of vigorous growth, and have beautiful dark green leaves which curve outward like a fine ostrich plume. It stands well, even during the hot summer months. It is even superior to the best spinach in flavor. Pkt., 5c; oz., 15c; 1/4 lb., 40c.



Improved American Hollow Crown Parsnips.

Garden Peas

Erbsen, Ger.; Pois, Fr.; Guisante, Sp.

Peas mature earliest in a light, rich soil; for general crop, a rich deep loam is the best. When grown in gardens sow in double rows six to eight inches apart, the rows two to four feet apart, the tall ones requiring brush. Commence sowing Alaska and First and Best as early as the ground can be worked in February or March; and continue with other sorts for a succession every two weeks until June. One quart for 8 rows 10 feet long. See page 8 for new varieties.

Early Varieties

Alaska. The very earliest sort. Sometimes called First of All. Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 30c; qt., 50c; pk., \$3.50.

First and Best. A round, hard-shelled variety. Can be sown when frost is barely out of the ground. Height, 2 $\frac{1}{2}$ feet. Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 30c; qt., 50c; pk., \$3.50.

Gradus or Prosperity. An extra early wrinkled Pea, hardy, early and profitable. This remarkable Pea is one of the most widely known varieties in cultivation. The vine is about 24 inches in height on good soil. The pods are borne abundantly. As many as 8 to 10 peas of the largest size and most luscious quality are found in each pod. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 40c; qt., 70c; pk., \$4.50.

New Extra Early Pilot. The pods and peas are nearly as large as those of Gradus, while they are produced as early as the smooth-seeded extra-earlies. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; pk., \$4.00.

American Wonder. Early sort; height 10 to 12 inches. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; pk., \$4.00.

Nott's Excelsior. An improvement on American Wonder, being as early and pods much larger. Height 14 in. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; pk., \$4.00.

Sutton's Excelsior. The finest early large podded dwarf pea. 1 $\frac{1}{2}$ feet.

Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 40c; qt., 70c; pk., \$4.50.

Laxtonian. 15 to 18 inches high, very large pods, similar to Gradus in shape.

Quality splendid. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 40c; qt., 70c; pk., \$4.50.

Thomas Laxton. One of the very earliest varieties. The plant is a very hardy and strong grower, producing extra large size pods in abundance. The quality is delicious and cannot be surpassed by any other variety. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 40c; qt., 70c; pk., \$4.50.

Little Marvel. A great acquisition. Height, 15 inches. Deep green, extra early large pods, heavy cropper. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 40c; qt., 70c; pk., \$4.50.

Pioneer. One of the earliest of the wrinkled peas; robust in habit and bearing an abundance of handsome dark green pods well filled with large peas of fine quality. Height, 1 $\frac{1}{2}$ feet. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 40c; qt., 70c; pk., \$4.50.

Peter Pan. Height, 15 to 18 inches. The largest podded of the dwarf varieties.

Pods 4 $\frac{1}{2}$ to 5 inches long, dark green in color, and well filled with large Peas of superb quality. Very productive. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 40c; qt., 70c; pk., \$4.50.

Second Early and Medium Varieties

Carter's Daisy. Pods containing 8 to 9 large wrinkled Peas equal to Telephone pods. Sometimes called Dwarf Telephone. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 40c; qt., 70c; pk., \$4.50.

Advancer. Prolific, well-filled pods, tender and delicious. 2 feet. Pkt., 10c; pt., 30c; qt., 50c; pk., \$3.50.

Premium Gem. A medium early green wrinkled Pea, which is exceedingly prolific. Height, 12 inches. Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 30c; qt., 50c; pk., \$3.50.

Alderman. A remarkably strong growing main crop variety of the Telephone type, with enormous dark green pods, containing 8 to 10 large, wrinkled Peas of immense size; very tender and luscious. 4 to 5 feet high. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 40c; qt., 70c; pk., \$4.50.

Telephone. Immensely productive, finest quality. The pods are of large size, containing 6 to 7 Peas, of pale green color, of delicious flavor. 3 $\frac{1}{2}$ feet. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 40c; qt., 70c; pk., \$4.50.

General and Late Crop Peas

Potlatch. The vines require no brushing, the pods are immense in size and fullness, and packed with peas that are sweet and rich flavored. Pkt., 10c; pt., 40c; qt., 70c; pk., \$4.50.

Dwarf Defiance. Very large pods, dark green. Peas large and very sweet. Pkt., 10c; pt., 40c; qt., 70c; pk., \$4.50.

Black-eye Marrowfat. Extensively grown as Field Peas. Pkt., 10c; pt., 25c; qt., 40c; pk., \$3.00.

Improved Stratagem. Pods of immense size, filled with very large, dark green Peas of the finest quality; height 18 inches. Pkt., 10c; pt., 40c; qt., 70c; pk., \$4.50.

Champion of England. A popular wrinkled variety of delicious flavor; profuse bearer. Peas are large and very tender. 5 feet. Pkt., 10c; pt., 35c; qt., 65c; pk., \$3.75.

Large White Marrowfat. Pkt., 10c; pt., 25c; qt., 40c; pk., \$3.00.

Canada Field. Will quote lowest prices on application.

Peppers

Pfeffer, Ger.; Piment, Fr.; Pimiento, Sp.

Johnson's Earliest Pepper. The flavor is very mild, so that the peppers may be eaten like an apple. If you want peppers and lots of them, plant Johnson's Earliest. In an average season Johnson's Earliest will produce five times as many peppers as any other sweet kind, and they mature much earlier. For the Northern parts of the country this is the only large sweet pepper that can be relied upon to produce a crop every season. We offer seed of our own raising. It is northern grown and of a pedigreed strain. $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

Perfection Pimento. Especially desirable for the home garden both green and ripe. The hull or meat is two to three times as thick as that of the old "Bell" types. Very sweet and delicious and entirely free from pungency. A beautiful scarlet red. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c.

Ruby King. Large, mild. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.25.

Sweet Mountain. Standard sort; sweet. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c.

Early Neapolitan. Fruit of good size, growing on vigorous stalky plant. Flesh thick, mild. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.75.

Red Squash or Tomato Shaped. Fruit small, flat, glossy dark red, early, very productive, thick fleshed and sweet. Becoming more popular every season.

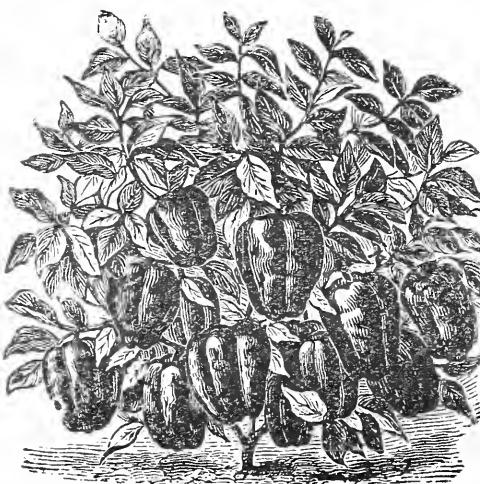
Pkt., 10c; $\frac{1}{2}$ oz., 50c; oz., 85c.

Large Bell or Bull Nose. Earliest sweet pepper. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c.

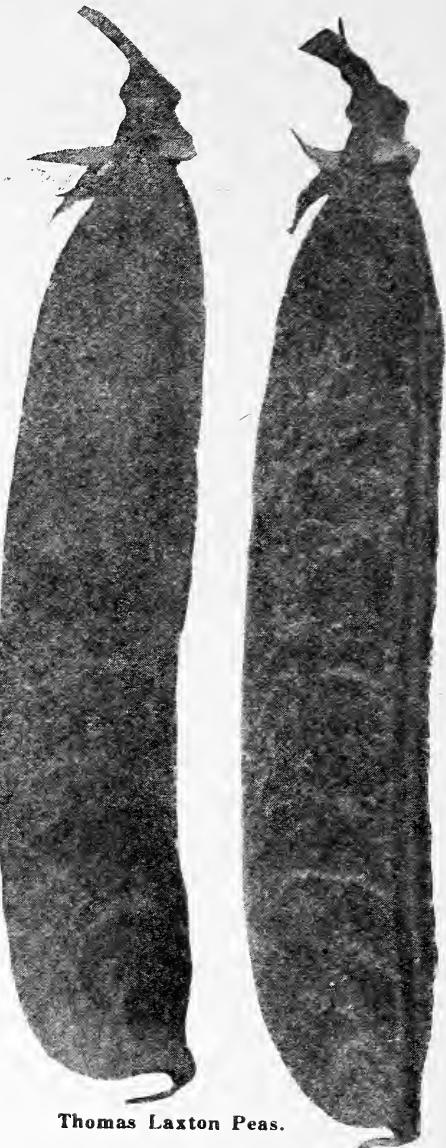
Long Red Cayenne. Small, long, slim, very hot. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c.

Red Chili. Small, bright red; hot. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c.

Chinese Giant. Largest of all. Mild. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c.



Johnson's Earliest Pepper.



Thomas Laxton Peas.

NORTHERN GROWN SEED POTATOES

Kartoffeln, Ger.; Pomme de Terre, Fr.; Patatas, Sp.

Prices Subject To Change.

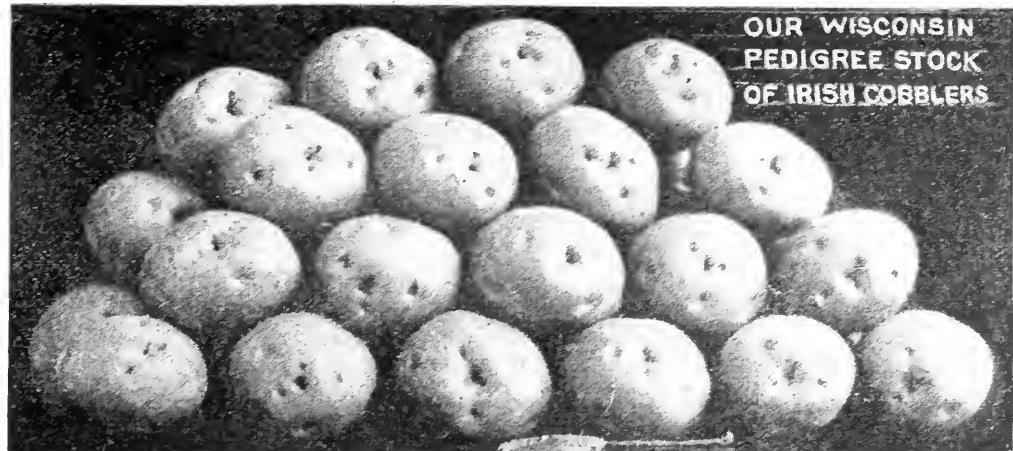
Our Potatoes are all Choice Northern Grown, especially for seed purposes. The following prices are based on values existing at the date of going to press with this catalog. We are often able to make material reductions during the winter or spring to purchasers of large lots. Correspondence invited, and we suggest getting our up-to-date prices when you are ready to buy.

Irish Cobbler

The tubers of this splendid extra early sort are oblong in form and nearly pure white skin. In earliness this variety stands very near the head of the list. Its table quality can hardly be excelled and its shape is very advantageous for cooking quickly, either by baking or boiling. The tops die down as soon as the crop is matured, so that the crop may be dug and the land planted to second crops. Half pk., 60c; pk., \$1.00; bu., \$3.50.

Early Bovee

Almost as early as Extra Early Ohio. In competitive trials with other early sorts it has outyielded them all. Vine dwarf and stocky. Tubers grow close together in the hill. $\frac{1}{2}$ pk., 60c; pk., \$1.00; bu., \$3.50.



Sir Walter Raleigh

A white-skin, main crop or late potato; quite uniform in size, with but few small ones among them. In fact, it can justly be claimed for Sir Walter Raleigh that it is the whitest fleshed, finest grained potato and the best and heaviest cropper of the whole list of main-crop varieties. In field culture it has gone above 450 bushels to the acre. Its record in all respects entitles it to rank with the very best late potatoes now grown upon American soil. Succeeds everywhere and is the style of potato most in demand in the markets just now. As a winter keeper we know of none better. No progressive cultivator should fail to give it a trial. Half pk., 50c; pk., 90c; bu., \$3.00.

Extra Early Ohio

Our Genuine Extra Early Ohios are now well known to our old customers but for the benefit of those who have not tried them we wish to say that our seed is grown with just as much care as is bestowed on Pedigreed Seed Corn. Half pk., 60c; pk., \$1.00; bu., \$3.50.

Pure Early Rose

This standard variety has been a great favorite with planters for many years on account of its yield and quality. Potatoes are long in shape, good size, and light red in color. They cook mealy and of the finest flavor. Early Rose will never go out of fashion as long as the original stock, which we have, can be obtained. Half pk., 60c; pk., \$1.00; bu., \$3.50.

Carmen No. 3

Doubtless the most popular late potato and certainly one of the most worthy. It yields great crops of fine large, smooth potatoes, even under the most unfavorable circumstances. It grows a very strong upright top with dark colored stalks and purple blossoms and is little affected by drought, blight or bugs. Half pk., 50c; pk., 90c; bu., \$3.00.

Small Sugar Pumpkin.



Carman No. 3 Potato.

Pumpkin

Karbis, Ger.; Potiron, Fr.; Calabaza, Sp.

Culture.—Sow in good soil in May, when the ground has become warm, in hills 10 feet apart each way, or in fields of corn about every fourth hill; plant at the same time with the corn. Pumpkin varieties if planted together will mix. There is not much danger of their mixing or hybridizing with squashes or other vines. One ounce for 25 hills, 3 lbs. for an acre.

Sugar or New England Pie. This is the pumpkin from which the celebrated Yankee Pumpkin Pie is made. Very early and prolific, cooks very quickly and is the best quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

Winter Luxury Pumpkin. One of the best pie pumpkins in existence, and its winter-keeping qualities are almost unequalled. Is slightly oval in shape and of medium size. Evenly and finely netted and is a yellowish-russet color. A great producer. Flesh deep golden color, sweet and tender. Matures in 95 days. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

Large Cheese. Flesh yellow and sweet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

Connecticut or Large Yellow Field. Oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50. By express, 10 lbs., \$13.50.

Radish

Rettig, Radies, Ger.; Radis, Fr.; Rabanos, Sp.

To be crisp and tender, Radishes must grow quickly; whenever growth is checked by drought or cold weather, they become tough and pithy. Rich, light sandy soil suits them best. For the forcing crop, sow seeds in hotbeds in rows 5 to 6 inches apart and thin the plants as the ground becomes warm. Seed of winter varieties should be sown in midsummer. Summer varieties are best adapted for general crop. An ounce of seed will sow about 75 feet of drill.

Earliest Sorts

Johnson's New Saxa. The earliest of the forcing radishes, and one of the slowest to shoot to seed. Round, bright scarlet and with the smallest possible top. (See cut and prices page 7.)

Johnson's Improved Scarlet Globe. This new radish has a remarkable ability to bear the heat necessary for rapid growth without becoming pithy or losing flavor. As shown in the illustration, it is of surpassing beauty as regards shape and color. The flesh is crisp, tender, juicy, and mild. The color is a rich scarlet. It has a small top and the roots are surprisingly uniform in shape and size. We offer only the most carefully grown seed. (See cut.) Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Johnson's Home Table. A round radish of large size for so early a variety. (See page 7.)

Early Scarlet Turnip. A well-known and highly esteemed variety. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Early Round Dark Red. Same shape as the Scarlet Turnip, darker in coloring. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Prussian Globe Forcing. Very rich red globe for forcing.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Fireball. Extra early round dark red for forcing. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

French Breakfast. A favorable sort, mild and crisp. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

White Tipped Scarlet Turnip. For early planting in frames or outdoors. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Earliest White May. Its beautiful pure white makes it very useful for mixing with other sorts. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Rosy Gem. An extra early strain of White Tip Scarlet Turnip, adapted to forcing. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Cincinnati Market. The finest long Red Radish in cultivation either for house or for market. (See illustration.) Skin scarlet colored, very thin, the flesh crisp, brittle and of delightful flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Long Scarlet Short Top. Very long and crisp. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Icicle. A beautiful waxy white, long-rooted Radish, gradually tapering down from the shoulder which is about 5-8 inch in diameter. The roots are usually 5 or 6 inches long and have small tops. This is the earliest of the long rooted early summer white sorts, desirable for outdoor planting and for forcing. Flesh is crisp and tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Summer Sorts

White Stuttgart. Shape like a turnip; skin and flesh both white, excellent summer variety. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Long White Vienna or Lady Finger. Pure white in color, of long tapering shape. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Large White Summer. Large size and fine form. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Improved Chartier. The color at the top is crimson, running into pink about the middle, and from thence downward is pure white. Splendid for summer use. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Winter Sorts

China Rose. Bright rose color; fine for winter use. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Round Black Spanish. Fine for winter use. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Celestial. Flesh white and crisp; fit to use early in the fall. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

California Mammoth White Winter. A white-fleshed Radish of excellent quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Rhubarb

Rhabarber, Ger.; Rhubarbe, Fr.; Ruibarbo, Sp.

Sow the seed early and when the plants are large enough, thin them to 4 or 5 inches apart. The next spring or fall transplant 3 feet apart each way in deep, rich soil.

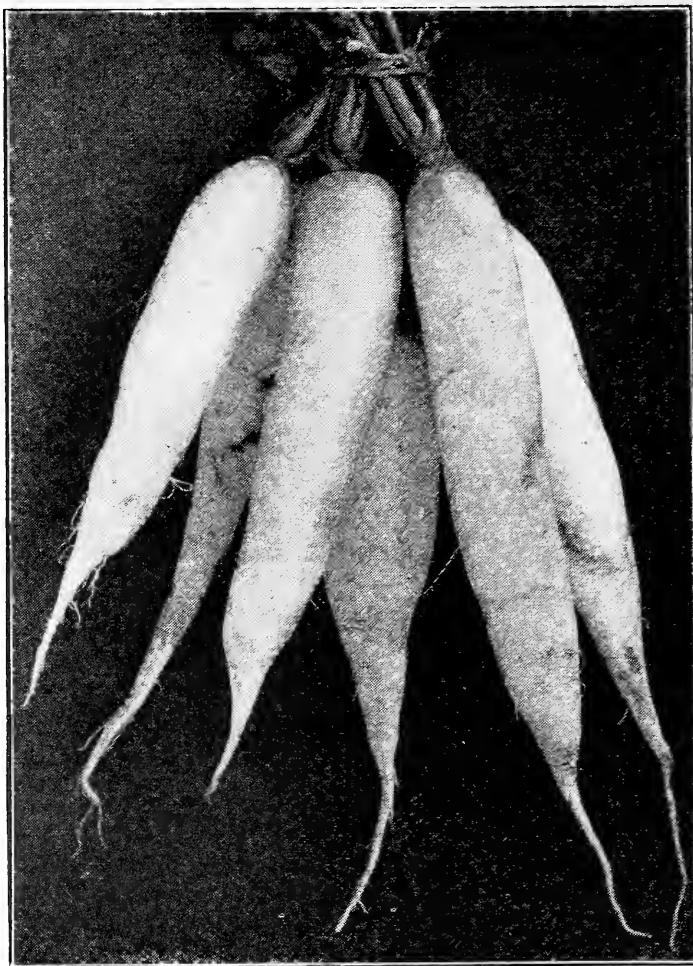
Victoria. The standard sort in use everywhere. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Rhubarb Roots. Each, 20c; doz., \$2.00.

Sorrel

Culture.—Used for soups and salads on account of its pleasant acid flavor. Sow seed in any good garden soil, in shallow drills a foot apart. Thin plants to a few inches apart and remove seed stalks as soon as they appear.

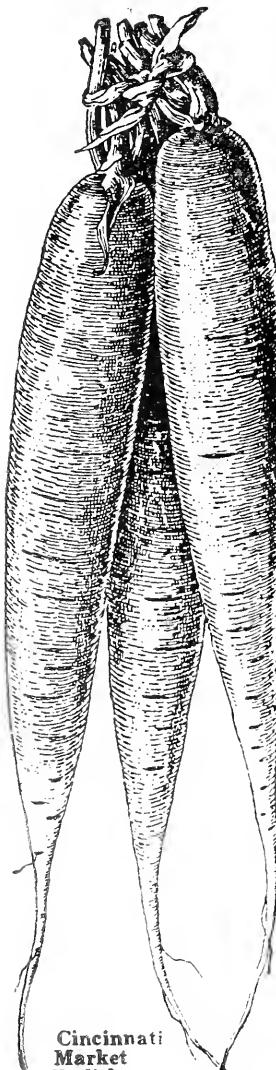
Large-Leaved French. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c.



Icicle Radish.



Improved Scarlet Globe Radish.



Cincinnati Market Radish.



Salsify or Oyster Plant.

directions. The tips of the branches are always brittle, tender and appetizing. As the tips of the branches are gathered, the main stalks produce sideshoots at the leaf-joints, and it seems that the more one gathers the faster it develops. Bears all summer. New Zealand Spinach is truly the perpetual summer Spinach for all. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; lb., \$2.00.

Salsify or Oyster Plant

Haferwurzel, Ger.;
Salsifis, Fr.; Ostra
vegetal, Sp.

Mammoth Sandwich Island. Roots large, long, smooth, tender, and well flavored, resembling fair-sized parsnips. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Spinach

Spinat, Ger.; Epinards, Fr.; Espinaca, Sp.

New Spinach—Johnson's Norbek. See page 7.

Improved Thick Leaf (Viroflay.) Produces large, thick, bright green crumpled leaves of fine quality; very slow in running to seed; one of the best market sorts. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c.

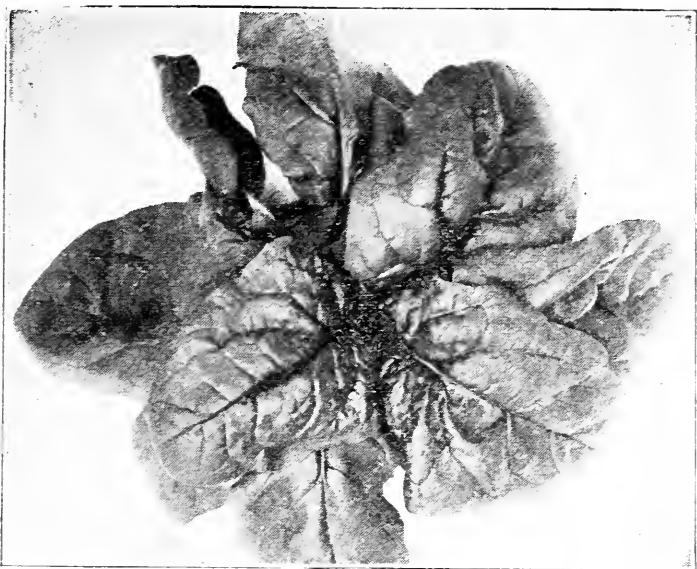
Bloomsdale or Norfolk Savoy. For winter and early spring. Leaves large and wrinkled like a savoy cabbage; tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c.

Long Season. All that its name implies. Leaves thick, tender and succulent. Dark green. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c.

Victoria. Very heavy, broad, deep green, crumpled leaves; of fine, succulent quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c.

New Zealand Spinach

Forms large, spreading plants which, when fully developed, cover as much as 5 feet of space in all



Spinach.

Sunflower

Mammoth Russian. Gray or striped seeds, heads very large. An excellent food for poultry. Flowers 18 to 20 inches in diameter. Very showy, but mostly grown for the large amount of seed produced. Pkt., 5c; $\frac{1}{4}$ lb., 15c; lb., 50c.

Squash

Kurbis, Ger.; Courge, Fr.; Calabaza, Sp.

Sow the Summer varieties in same manner at same time as early Cucumbers and Melons, in hills 3 to 4 feet apart, and Winter sorts about June 15th in hills 6 to 8 feet apart.

Warted Hubbard. A Hubbard Squash with warted skin. The vines grow strong and produce a large number of Squashes, which are of good size and keep well. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.

Improved Hubbard. A reliable old time variety of Winter Squash. Large size, flesh bright orange color, fine grained, dry and has a good flavor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.

Vegetable Marrow Long Cream Squash. Fruits are oblong in shape, and should be eaten when less than half grown, at which time the flesh is very tender and may be cooked like ordinary squash or fried like egg plant. The shape is attractive, color creamy white, and skin smooth. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., \$1.00.

Early White Bush Scallop. A well known Summer variety; flesh tender and delicate. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 50c.

Early Yellow Bush Scallop. Early, flat, deep orange, with smooth rind. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 50c.

Giant Yellow Summer Crookneck. Best sort for Summer; very early, productive. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Fordhook. One of the best Winter varieties; bright yellow outside with straw yellow flesh; very productive, wonderful keeper. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c.

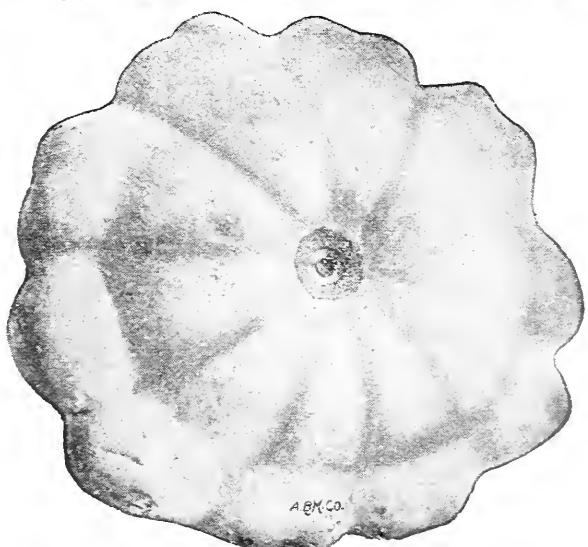
Golden Hubbard. Shape same as old-fashioned Hubbard, but skin is rich orange color. The flesh is deep golden yellow. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Mammoth Choi. Grown to an immense size. Pkt., 10c; oz., 30c.

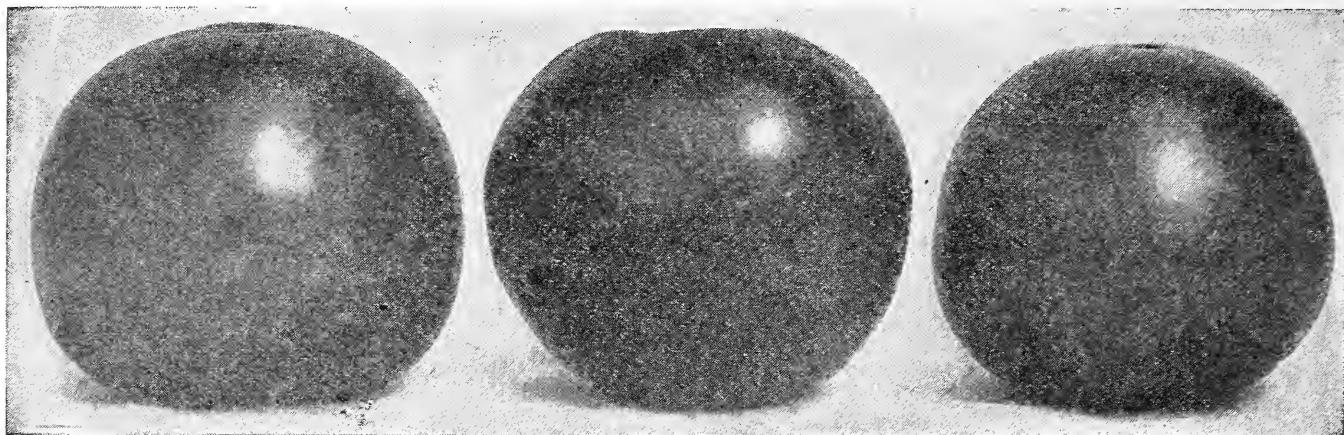
Mammoth Yellow or Golden Custard Bush. Dark rich golden yellow; quality excellent. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.



Winter Squash.



Mammoth Yellow or Golden Custard Bush Squash.



Early Detroit Tomatoes.

Tomatoes

Culture.—Sow from March to April 15th in a hotbed or greenhouse, where the temperature is never below 60 degrees. About the first of June they may be transferred to the open ground. Set them deeply, four feet apart, and a shovelful of rotted manure should be mixed in the earth of each hill.

Johnson's New Extra Early Wayahead Tomato. See page 8.

Early Detroit. This splendid variety, introduced by us in 1909, is the largest and best of the early purplish pink tomatoes. The vines are vigorous and very productive. The fruits are very smooth, uniform in size, nearly globe-shaped, firm, and of excellent quality. Early Detroit is one of the most valuable shipping tomatoes yet introduced. It is also desirable for the home garden and near markets. Pkt., 5c; oz., 50c; 2 oz., 85c; 1/4 lb., \$1.40; lb., \$5.00.

Early Acme. Rich glossy crimson, tinged with purple; perfectly smooth. Pkt., 5c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.40.

Livingston's Globe. The color of fruit is purplish-crimson; ripens to the stem; fruit is large, solid and very high globe. Pkt., 5c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.75.

Dwarf Champion. Upright habit of growth. Very early, fine for small gardens. Fruit smooth, medium in size. Pkt., 5c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50.

Chalk's Early Jewel. A very early scarlet variety; a heavy cropper; fruit smooth, round and solid. Pkt., 5c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50.

Bonny Best. Is extra early and very prolific. Color deep scarlet. Pkt., 5c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50.

June Pink. The earliest of all purple tomatoes, distinct and handsome appearance. Pkt., 5c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50.

John Baer. Quite similar to Chalk's Early Jewel. Pkt., 5c; 1/2 oz., 30c; oz., 55c; 1/4 lb., \$1.50; lb., \$4.50.

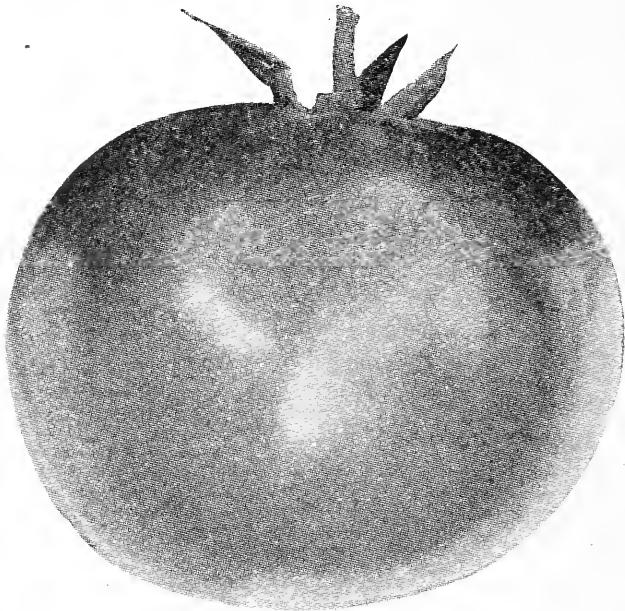
Earliana. Is a very early variety, of uniform size and very productive. The fruit is round, smooth and firm; color bright red. Pkt., 5c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50.

Golden Queen. About size and form of Beauty; smooth golden yellow. Pkt., 5c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50.

Stone. This is a large, very smooth, bright scarlet Tomato, ripening evenly to the stem, without cracking. The flesh is firm, solid and of excellent quality. Pkt., 5c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50.

Liebesapfel, Ger. Tomate, Fr. Tomates, Sp.

Improved Beauty. A decided favorite for either home market or shipping purposes, being early, hardy, strong grower, productive; fruit large, always perfect in shape and excellent in quality. The color is glossy crimson with a tinge of purple. It grows in clusters of 4 to 6 large fruits, retaining its large size late in the season. It is very firm fleshed, with but few seeds. It seldom rots or cracks after a rain. Can be picked quite green, will look well, ripen up nicely and keep perfectly for a week after it is ripe. Pkt., 5c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.40.



Improved Beauty Tomato.

Ponderosa—The Giant Tomato

Of the large fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches 1 pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. Pkt., 10c; 1/2 oz., 40c; oz., 75c; 1/4 lb., \$2.00.

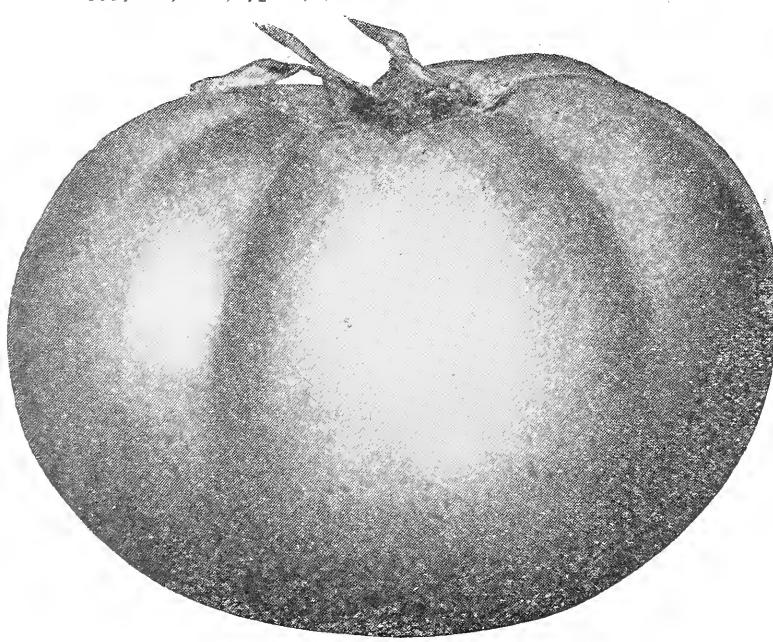
Greenhouse Forcing Tomatoes

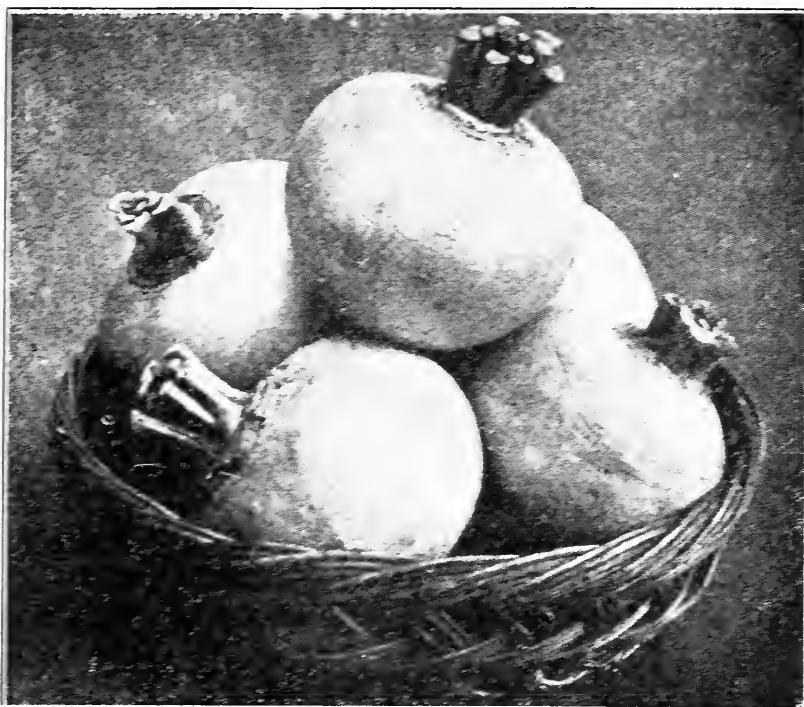
Comet. This is a splendid variety for greenhouse. It is very short-jointed, fruiting close up to the stem. The tomatoes are of a good medium size, quite smooth, very solid and of a deep scarlet color. Pkt., 15c; 1/2 oz., 35c. **Sutton's Best of All.** Sets freely and is an immense cropper. Fruits smooth, good size; deep scarlet. Pkt., 15c; 1/2 oz., 35c.

Small Fruited Tomatoes

Yellow Plum, Yellow Pear, Red Pear, Yellow Cherry, Red Currant, Yellow Peach, Red Cherry, Red Plum, Golden Husk, Purple Husk, used principally for preserving. All 5c per pkt: 1/2 oz., 25c; oz., 40c.

Ponderosa Tomato.





Purple Top White Globe Turnips.

Yellow Fleshed Turnips

Golden Ball. A rapid grower of excellent flavor, globe-shaped, medium size; bright yellow color, good keeper and a superior table variety or for use in feeding stock.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Yellow Aberdeen, Purple Top. Very hardy and productive, good keeper, globe-shaped, fine quality. The Turnips grow to a large size and are valuable for feeding stock.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Yellow Stone. One of the best yellow flesh sorts for table. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Golden Ball or Orange Jelly. Its beautiful color and fine flesh give it a high place in home gardens. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Seven Top. Most excellent for greens. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Rutabagas

Sow Rutabagas in June and July in drills two feet apart; thin out to nine inches in row.

Improved American Purple Top. A yellow-fleshed purple top variety, grown either for stock or table. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Perfection White. The best white variety offered. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Sweet, Pot and Medicinal Herbs

Anise. Aromatic. Used medicinally. Pkt., 10; oz., 20c.

Arnica. (P) Used medicinally. Pkt., 15c; oz., \$1.00.

Balm. (P) Leaves used medicinally. Pkt., 5c; oz., 35c.

Basil. (A) Used for flavoring. Pkt., 5c; oz., 35c.

Chamomile. (A) Emetic, vermifuge. Pkt., 15c; oz., \$1.00.

Caraway. (A) Seeds used in confectionery. Pkt., 5c; oz., 30c.

Catnip. (P) Used medicinally. Pkt., 10c; oz., 50c.

Coriander. (A) Used in confectionery. Pkt., 5c; oz., 20c.

Dill. Flavoring pickle. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Fennel. (P) Used for flavoring fish. Pkt., 5c; oz., 25c.

Fennel, Florence. (A) Used for salads. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 50c.

Horehound. (P) Used medicinally. Pkt., 5c; oz., 30c.

Lavender. (P) Valuable for its perfume.

Pkt., 10c; oz., 25c.

Marjoram, Sweet.

P For flavoring.

Pkt., 10c; oz., 60c.

Rosemary. P Valuable as a hair wash.

Pkt., 5c; oz., 35c.

Sage. P Used for flavoring.

Pkt., 10c; oz., 75c.

Summer Savory. (A) For flavoring.

Pkt., 10c; oz., 45c;

$\frac{1}{4}$ lb., \$1.75.

Sorrel. P Salads and greens.

Pkt., 5c; oz., 30c.

Thyme. P Used for seasoning.

Pkt., 10c; oz., 75c.

Wormwood. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c.

Table Turnips

Weisse Rueben, Ger.; Navet, Fr.; Nabo, Sp.

White Fleshed Turnips

Purple Top White Globe. (See cut.) This is one of the handsomest and most salable Turnips. Very desirable for either home or market gardens. It is a large, rapid growing sort, with globular shaped roots. Flesh is pure white and the top bright purple. On account of its shape it will outyield any other sort and is always a sure cropper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

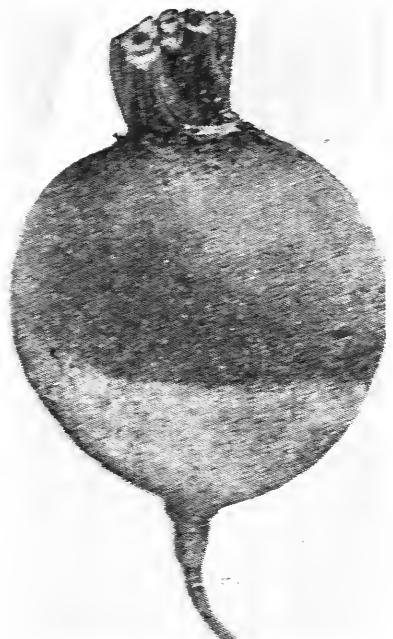
Early White Egg. Matures very quickly and is adapted for either spring or fall sowing. It is egg-shaped, and very smooth with thin skin. The tops are small, and the roots, which grow above the ground, are of medium size, with pure white skin and flesh which is fine grained and sweet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.10.

Extra White Milan. Extra early white of most delicate flavor and tempting appearance. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

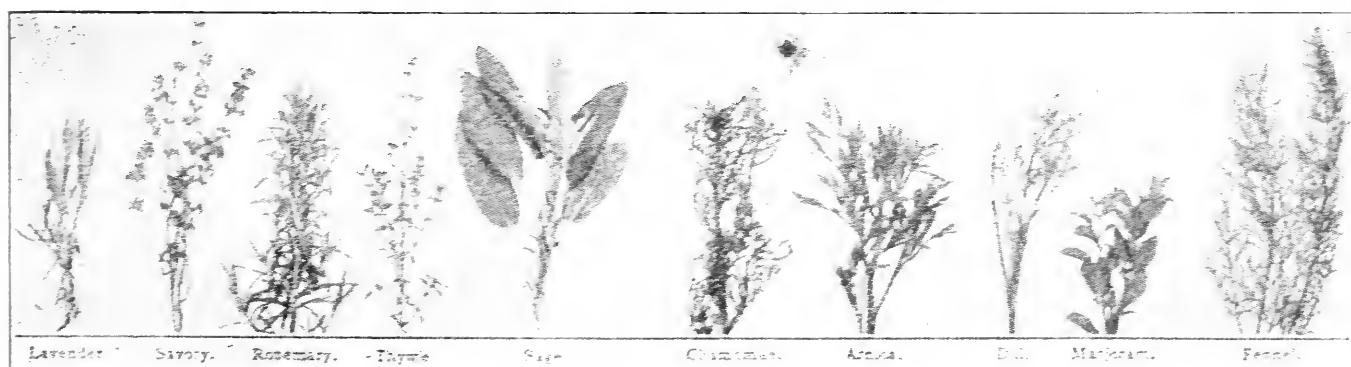
Red Top Strap Leaf. A standard sort extensively grown for private use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Long White or Cow Horn. A quick growing, long variety, flesh fine-grained and sweet, excellent for table use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Early Purple Top Milan. Earliest of all purple-topped Turnips. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.



SPECIALTIES IN VEGETABLE SEEDS—SEE PAGES 4 TO 8.



Lavender

Savory

Rosemary

Thyme

Salsify

Cinnamon

Anise

Dill

Marjoram

Fennel

PLANT THE
BEST

Early Dent Seed Corn

PLANT THE
BEST

It costs less than 75 cents an acre to use our carefully selected **SEED CORN**. Do not consider it wise to risk seed of doubtful ancestry when **PEDIGREED SEED** is so cheap!

Our crops of Seed Corn are of unusual quality and if you want corn of superior merit send us your order. We offer only stock grown specially for seed purposes from our own pedigreed stock seed. The results will show for themselves at harvest time. If you purchase our seed this spring you can get exceptionally good stock of pure-bred, sound, thoroughly matured corn, that can not be surpassed.

We do not sell Ear Seed Corn. Did you ever stop to think that the man who buys ear seed corn pays double what he should for his seed? Every house in the trade that sells ear corn charges a premium for it. In addition, at least 25 per cent of the corn on the cob is tip and butt grains, unfit for seed. In reality, you pay double price for the privilege of seeing the ears before they are shelled. If you cannot trust to selection of the seedsman, don't buy of him. We sort our corn just as carefully as you can.

Johnson's First Choice Yellow Dent

Quick Maturing—Heavy Yielding—Tipped and Butted

This excellent variety possesses so many good points that we offer it as one of the best early yellow Dent Corns. The plant is strong, deep rooted and stocky, enabling it to withstand drought in a remarkable manner. The Corn matures in 85 days from planting; this makes it very valuable to farmers in the northern tier of states. It is a very heavy yielding variety, nearly all stalks bearing two ears, some three. The ears are medium sized with a very small cob, which is covered from tip to tip with a very beautiful golden yellow dent corn. The ears average from 7 to 9 inches in length. It will yield more pounds of shelled corn per bushel of ears than many of the late varieties.

In addition, it is the finest variety imaginable for second or late planting in more southerly locations.

Our seed of First Choice has been carefully selected for many years by an expert in Southern Michigan and is, therefore, especially adapted to Northern Ohio and like latitudes. Qt., 35c; $\frac{1}{2}$ pk., 85c; pk., \$1.50; bu., \$3.00.

Early Huron Yellow Dent

Stalks grow about 7 to 8 feet high and set the ears 3 $\frac{1}{2}$ to 4 feet from the ground. The type is very even. Ears measuring 8 to 10 inches in length, very uniform in size and shape. Color is a clean, light golden. Cobs small, shank easily broken in husking. The seed we offer has been grown in Northern Ohio for many years. Qt., 30c; $\frac{1}{2}$ pk., 75c; pk., \$1.35; bu., \$4.50.

Improved Leaming Yellow Dent

Improved Leaming is medium early. The ears are large with very deep bright yellow kernels. The cob is small. The stalks grow to a medium height and often produce two large ears and make first-class fodder. This Corn succeeds well on nearly all soils and will produce large crops of high grade, deep yellow Corn. One of the best varieties to sow for fodder and ensilage, as well as for grain. Qt., 30c; $\frac{1}{2}$ pk., 75c; pk., \$1.25; bu., \$4.50.

Northern Ohio White Dent

The brightest silver colored Corn. The ears are very large, extra long, medium depth of kernel, extremely firm and solid. It weighs like lead and shells out remarkably well; it matures early, having originated in Northern Ohio. It is very hardy, having a broad kernel, which assures strong germinating power. Qt., 30c; $\frac{1}{2}$ pk., 75c; pk., \$1.25; bu., \$4.50.

White Cap Yellow Dent

It is a strong grower, resists heat and drought; yields large crops on thin soil; matures in 90 to 100 days, stalks 8 to 10 feet high, ears 8 to 10 inches long, well filled with 16 to 18 rows, packed solidly on a small red cob. The outer end of the grain is white and deeply dented, balance amber yellow. The fodder is abundant and of superior quality. Many of our customers who have tried this think it the best variety. Qt., 30c; $\frac{1}{2}$ pk., 75c; pk., \$1.25; bu., \$4.50.

Johnson's "Ohio White" Ensilage

This variety is quite similar to the famous Blue Ridge Ensilage and is the most productive of all ensilage Corns. It makes a very large growth, with abundant fodder, very large ears with broad kernels, yet if planted real early with a normal season, ears will very nearly mature. In fact, we have had some farmers on our best farms here mature the Corn so as to save their own seed from same. Our seed is grown in Northern Ohio. It has grown extremely popular with our ensilage customers in Northern Ohio because of the fact that it is large and is earlier than most other varieties, under normal conditions. The seed we offer is tipped and butted by hand. Qt., 30c; pk., \$1.15; $\frac{1}{2}$ bu., \$2.00; bu., \$4.00, f. o. b. Cleveland; bags free.

Red Cob Ensilage

A pure white Corn cropping as high as 45 tons of fodder per acre. Sweet, tender and juicy. More nourishing than any other variety. Short joints, abundance of leaves and of tall growth. An excellent silo Corn. Bu., \$3.75; bag of 2 $\frac{1}{2}$ bu. for \$10.25, including grain bag.

JOHNSON'S SELECTED SEED OATS

NORTHERN GROWN



Very Productive
Thin Hull

New Johnson Oats

Heavy Grain
Stiff Straw

The New "Johnson" Oats originated in Michigan and we have many testimonials attesting to their value. The heads are large and branching and loaded with big, plump, thin-hulled and bright grain.

Its roots run deep into the soil, thus supplying the plant with moisture and food even in a dry season. It stools surprisingly, so that one peck less should be sown per acre. It is plump and heavy, often weighing 36 to 40 lbs. to the bushel. The straw is very stiff and of medium height, holding up its large, well-filled heads on the richest ground when other varieties lie flat. The "Johnson" are not side Oats. The money you invest in "Johnson" Oats for seed will yield a profit of 100 to 200 per cent in the increased yield you will get over the common kind you have been planting. The extra cost of the seed of the "Johnson" over common Oats is so little that no one can afford to plant the common varieties. A change of seed once in 2 or 3 years is absolutely essential to growing good crops and when a change is made, get the best variety possible. The "Johnson" will fill the bill every time. Prices of Choicest Michigan Grown Seed, bu., \$1.75; 5 bu. or more at \$1.70 per bu.; 10 bu. at \$1.65 per bu. Grain bags free.



New Sensation Oats

They are noted for vigorous growth and large, white, plump grains, with thin hull, weighing 40 lbs. per bu. with ordinary thresher cleaning. On account of large per cent of meat in the kernels they are well suited for oatmeal and other Oat products. Choicest Michigan Grown Seed. Bu., \$1.50; 5 bu. at \$1.45; 10 bu. at \$1.40. Grain bags free.

Bonanza Oats

This old standard sort is still very popular as it can be depended upon to produce good yields under adverse conditions. Bu., \$1.50; 5 bu. at \$1.45; 10 bu. at \$1.40. Grain bags free.

Silver Mine Oats

This Oat has a reputation as an exceedingly heavy and reliable yielder. It is very hardy and prolific and yields beautiful white kernels, which are especially desirable for the manufacture of rolled oats.

The heads are very large in proportion to the stiff, bright, clean straw. The sprangle top heads, although long, are borne low down on the stalk, which seems to prevent lodging. The demand for this variety last season exhausted our supply, and we suggest early orders to avoid disappointment. Bu., \$1.50; 5 bu. at \$1.45; 10 bu. at \$1.40. Grain bags free.

large number of stems, and therefore requires less seed per acre. Choicest Michigan Grown Seed. Bu., \$1.55; 5 bu., at \$1.50; 10 bu., at \$1.45. Grain bags free.

Spring Rye

Spring Rye is highly valued as a catch crop and for sowing with Vetches and Oats for a forage crop. For turning under it is considered a great soil restorer. As a grain crop it is very profitable, always yielding well and prices for Rye are now on a very high level. Will make a good crop on soils too poor for wheat. We recommend Spring Rye as a profitable crop in New York, Pennsylvania, Michigan, Wisconsin, Ohio, Indiana, Illinois and Iowa. 3 lbs., 65c, postpaid. Not postpaid, pk., 65c; bu., \$2.50.

TOP NOTCH QUALITY

Don't forget that Oats are one of our specialties. We handle only Northern Grown Pedigreed stocks and know you will be pleased with what we have to offer. The Oat crop is a very important one and too much attention cannot be given to it. The trouble has been that not enough attention has been given to proper seed, for the Oats have degenerated. It is now necessary to get new seed and build up. No one can expect to harvest a good crop by sowing the same variety of seed they have sown for several years. The crop is bound to deteriorate.

Johnson's High Grade Grass and Clover Seed

About prices. It is impossible to quote firm prices at the time our Catalog is printed, owing to the fact that the market fluctuates so much. We will always be pleased, however, to quote by letter if you will drop us a line when you are ready to buy. We handle only the highest grades.

CLOVERS—Highest Grades Only

Prices Vary—Special Quotations on Application.

Alfalfa, or Lucerne (*Medicago sativa*). The most valuable forage crop on the American farm today, and can be truly termed a mortgage lifter. It is sown during May, August and September, these being the best months for success, although it can be sown at other times with a possible chance of doing well. Careful preparation of the soil previous to sowing is the main thing. Sow not less than $\frac{1}{2}$ bushel (30 lbs.) per acre, preferably with no other crop. Our seed is always over 99 per cent pure, and will invariably give the best results. **Choice Non-Irrigated Western Grown Seed.** Price on application.

Grimm Alfalfa. Claimed to be hardy in any and all regions, a heavy yielder and of deeper rooting ability. Highly recommended by various State Experiment Stations. It requires only about 10 lbs. of Grimm Alfalfa to properly seed an acre, on account of its great root system and spreading habit. Price on application.

Alsike, or Swedish Clover (*Trifolium hybridum*). One of the best for mixing with timothy; it is hardy in every climate or soil condition and seldom has to be reseeded. The flower resembles the white clover except that the head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone, or 8 lbs. per acre with timothy. Price on application.

Bokhara, or Sweet Clover (*Melilotus alba*). While extensively used as a bee food, this is a valuable variety for soiling (green manure); for sowing in spring on lands which are later to be sown in Alfalfa, this is excellent. It inoculates the ground and seems to render it more capable of insuring a good stand of Alfalfa than if it is not used. It grows from 3 to 5 feet high, according to soil and location; can be cut as often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring, alone, or 10 lbs. per acre with other crops. We handle only the true white flowering hardy variety. **Choice Hulled Seed.** Price on application.

Crimson Clover (*Trifolium incarnatum*). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure, it should be allowed to mature; its height is 1 to 2 feet. Sow any time from April to October, the earlier the better; 20 lbs. to the acre. If sown in early spring it can be plowed down the first year. Late summer or fall seeding is usually practiced. It is not hardy for more than one season and must be sown each year. Price on application.

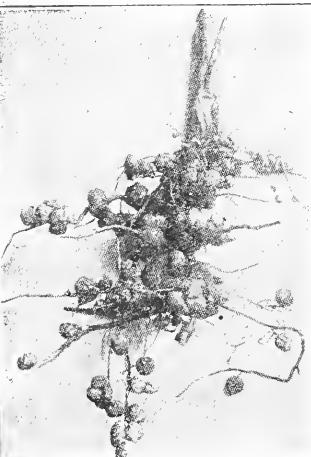
Mammoth Red Clover (*Trifolium pratense perenne*). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium" being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. Sow in early spring or in July and August, using 20 lbs. per acre alone, or with other crops, 10 lbs. per acre; flowers pink. It can be cut several times in a season. Price on application.

Red Clover, Medium (*Trifolium pratense*). More widely known and used than any other; used principally for hay purposes. Height from 18 inches to $2\frac{1}{2}$ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can usually be cut twice in a season. It is hardy for a period of years, being usually resown every third season; flowers pink. Price on application.

White Dutch or Lawn Clover (*Trifolium repens*). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown on old turf or with other crops. 90c lb.; \$4.25 per 5 lbs.; 10 lbs., \$8.25; \$48.00 per bu. of 60 lbs. Prices on White Clover subject to change.

Red Top. (*Agrostis vulgaris*.) Suitable for meadow, lawn or pasture. Sow 20 lbs. per acre. Price, solid seed, lb., 30c.

Timothy or Herd Grass. (*Phleum pratensis*.) Produces a profitable hay crop in almost any soil. Sow 20 lbs. per acre. Per lb., 25c. Write for sample and present prices.



Sweet Clover.

Orchard Grass. (*Dactylis glomerata*.) A valuable pasture Grass, adapted for growing in shady, moist places. Sow 20 lbs. per acre. Prices on application.

Kentucky Blue Grass. (*Poa pratensis*.) Extensively grown in all parts of the country. We handle only the fancy cleaned seed. Sow 2 to 3 bu. per acre. Lb., 60c.

Meadow Fescue. (*Festuca pratensis*.) A valuable Grass for permanent pasture. Sow 35 lbs. per acre. Prices on application.

Sudan. A new forage plant for hay and silo. Six to ten feet high, makes small leafy stems and is greatly relished by stock. Sow seed when ground has become warm, using 4 to 6 lbs. per acre, in drills 18 to 24 inches apart, and cultivate like corn. Prices on application.

FARMOGERM

The original high-bred nitrogen-gathering bacteria for CLOVERS, COW PEAS, SOJA BEANS, VETCHES, GARDEN PEAS and BEANS, SWEET PEAS. Makes poor soil good to raise the largest and best crops of the above and other legumes. Farmogerm will do it, and also add nitrate to the soil to benefit future crops of the same kind. Write for booklet giving all necessary information.

No. 1. For Alsike, Crimson, Red and White Clover.

No. 2. For Alfalfa.

No. 3. For Canada Peas and Vetches.

No. 4 For Cow Peas and Soja Beans when sown in mixture.

No. 5. For Garden Beans and Peas and Sweet Peas.

FARMOGERM PRICES REDUCED

New scientific methods of manufacture have given lower prices. You cannot now afford to do without FARMOGERM.

A special composite culture is prepared for peas, beans, and sweet peas, $\frac{1}{4}$ -acre size only. You'll get more peas and beans, and larger sweet peas by using this. Ask for No. 5, price, 50c.

Farmogerm prices are: 1-acre size, \$1.00; 3-acre size, \$2.50; 12-acre size, \$9.00. Full directions accompany each bottle.

Miscellaneous Farm Seeds

Prices vary with market—write us when ready to buy

Seed Barley

Wisconsin Pedigree Barley. This has been the champion and in a class by itself for some years. Our stock is grown for us in Wisconsin where it originated, and after careful selection we think we have the truest and most uniform stock ever produced. For the last six years it has averaged 35 bushels to the acre. Heads are unusually large and long; grains plump and brighter than any other variety. Write for prices.

Manshury Barley. We know this to be a first class variety, produces plump grains, and long stiff straw. Heads long and well filled. Write for prices.

Bonanza Barley. A standard, heavy yielding, six-rowed, bearded variety. In stiffness of straw and rust resistance, it is superior to others. Write for prices.

Soy Beans

Soy Beans have a double value. First, they are great for feed, and second, they are nitrogen gatherers and enrich the soil wherever grown.

Hollybrook Early Yellow. Makes a quicker growth and matures its crop 2 to 3 weeks earlier than Mammoth Yellow Soja. Erect growing. Write for prices.

Seed Buckwheat

Japanese. The kernels are at least twice the size of those of any other variety, and of a shape peculiar and distinct from all others. The color of the kernels is also more distinct, being a rich, dark shade of brown. The straw is heavier, very branched, and does not need to be sown as thickly as other kinds. The quality is excellent and the yield is enormous. It is about a week earlier in ripening than the Silver Hull. Write for prices.

Silver Hull. This improved variety is much better than the old sort. It is in bloom longer, matures sooner, and yields double the quantity per acre. The husk is thinner, the corners less prominent, and the grain of a beautiful light gray color. The flour is said to be better and more nutritious. Write for prices.

Broom Corn

Sow in May, about ten pounds per acre, in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row. It is usually in condition for cutting on the first approach of frost, the brush part being gathered first.

Evergreen. Yields 1000 pounds of salable brush per acre. Bushel, 50 pounds. Write for prices.

Flax

Best Wisconsin. We have some very choice seed of this; much superior in every way to common flax. Lb., 10c; 5 lbs., 45c.

Kaffir Corn—White, for Seed

This belongs to the Sugar Cane family and has great drought-resisting qualities; the grain is used for feeding poultry and the fodder for cattle; is ideal for planting where seed corn has failed to germinate and it is too late to replant. Grows from 4 to 6 feet high, the grain being produced on the top of stalk in the shape of a brush; frequently as many as four heads of grain will be found on a single stalk. It usually ripens after the first few frosts; produces enormous crops. Can be sown as late as July at the rate of 10 pounds per acre in drills. (Bu. 56 lbs.) Write for prices.

Millet

Can be sown as late as July 15th and yield a tremendous crop. Is also desirable for green manuring, when it should be turned under when about 10 inches high. It makes an excellent green food for stock not allowed to pasture. If used for hay and dried it should be cut just as it matures. Write for prices.

Hungarian. The seed produces hay not so fine in quality as the "Golden," also fully a foot less in height. It can, however, be sown some two weeks later. Sow one bushel (50 lbs.) per acre.

Japanese. This wonderful Millet yields possibly more fodder than any other forage plant that requires so little to sow an acre. Frequently as high as 12 tons of green food has been obtained from an acre. If sown early in May it may be cut twice in one season. Sow 12 pounds per acre broadcast, any time from May 1st to June 15th.

Pearl (Pennisetaria Spicata). A valuable fodder plant. Enormously productive. Sow in drills 2 feet apart, 10 to 12 pounds per acre.

Tennessee Golden. This requires a longer season to mature than the other sorts; it produces a very fine quality of hay and makes a larger seed head. In good seasons it grows about 4 feet high. Sow one bushel (50 lbs.) broadcast to the acre, from April 10th to July 10th.

Field Peas

Canada Field. Field Peas should be sown early in April, two bushels per acre. If sown with oats for fodder and hay, sow 1½ to 2 bushels each per acre. The Peas should be sown first and plowed under, about four inches deep, the oats may then be drilled in. The crop will be ready for cutting when the oats are in the milk and pods formed on the Peas. This makes fodder and hay that will double the flow of milk. This crop is also unsurpassed for soiling purposes. Write for prices.

Cow Peas

Cow Peas are one of the best, largest yielding and most nutritious of the farm crops; they provide the most inexpensive methods of bringing soil back to a stage of fertility. In the South it is the staple forage crop for winter feeding.

Black. One of the popular varieties extensively grown. It is very prolific and matures early. It is of upright growth, consequently preferred for ploughing under or for grazing stock.

Whippoorwill. Medium early; upright growing, a variety more extensively used than any other. The seed is brown and gray speckled. It is a heavy producer of both pods and fodder. Some claim this variety gathers more nitrogen than others.

Prices. These fluctuate constantly; will be quoted on request.

Dwarf Essex Rape

Rape is one of the most valuable pasture crops which can be grown. While it contains more water than some of the other plants, the dry matter of Rape is worth more as a feed, pound for pound, than that of alfalfa, clover, or vetches. This is because Rape is so very high in protein (the muscle, flesh and blood builder) and in ash (which makes the bone). Thus, when Rape is pastured by hogs, which are being fattened on corn, it balances the ration and little additional feed, such as skim milk, is required. Sow about three pounds to the acre. Ready for use in six weeks. Lb., 20c; 5 lbs., 85c; 10 lbs., \$1.50; 50 lbs., \$6.00.

Sugar Cane or Sorghum

Early Amber. Either green or in a cured state this makes ideal cattle food; it imparts a desirable flavor to milk. The seed can be threshed out of the stalks and used as poultry feed. It is a tremendous producer, growing often 12 feet high; it stands the hot, dry weather and can be cut several times in one season. Sow 25 lbs. of seed to the acre in drills 3½ feet apart; one or two bushels broadcast. 50 lbs. per bushel. Write for prices.

Winter Vetch

(*Vicia Villosa*)

True Sand or Hairy Vetch. Extensively used as a soil renovator or for dry or green feed in the early spring. It may be sown alone or with winter rye or oats; is perfectly hardy, thriving in every climate, under most adverse conditions. Is very nutritious and live-stock relish it. When sown with rye, etc., it will attain a height of 4 to 5 feet; it requires one-half bushel to sow an acre, or one bushel if sown alone. Sow as early as possible in the fall or summer and get a good growth before cold weather sets in. Write for prices.



Winter Vetch.

Farmogerm Inoculating Bacteria

High-bred nitrogen-fixing bacteria; makes poor soil good to raise the biggest and best crops of peas, beans, sweet peas, clover and other legumes. Farmogerm Inoculating Bacteria will do it and add nitrates to the soil to benefit future crops of any kind. Write for booklet. (See page 26).

NOVELTIES and SPECIALTIES

Five Fine Asters

Heart of France. The best pure red Aster ever introduced. Heart of France opens red as a ruby, deepens with age and retains its remarkable beauty to the very end. The petals appear strikingly changeable, showing a glow and sheen quite unique. The flowers are large and full with no trace of a hollow center; the plants are of branching type and very robust; stems long and strong. Pkt., 25c; $\frac{1}{4}$ oz., 85c.

Lady Roosevelt. This aster will give results under the most trying conditions. A very tall grower. It bears its solid, heavy flowers on stems often reaching 42 inches under ordinary cultivation. Color a bright rose pink, making a beautiful combination when cut with White Perfection. It is a splendid keeper and shipping sort and is not at all subject to disease. The seed we offer is taken from terminal flowers on side branches only. Pkt., 15c; $\frac{1}{8}$ oz., 40c; $\frac{1}{4}$ oz., 65c.

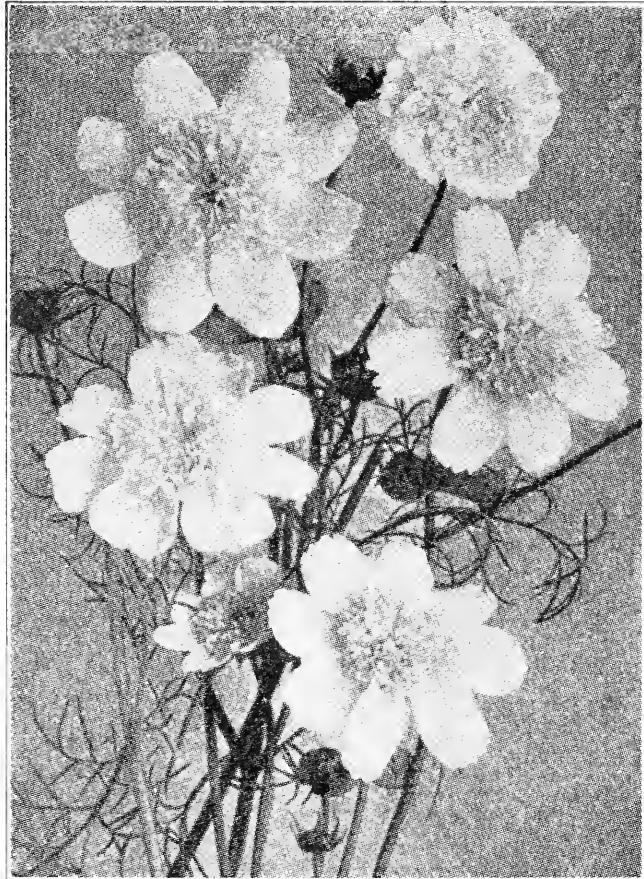
New Red Sensation. Intensely red, being a dark rich garnet or oxblood; branching habit; flowers 3 inches in diameter, borne freely on stems 12 inches long. Grow 18 to 24 inches high and well branched. Entirely distinct, being the reddest of all asters. Pkt., 15c; $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 60c.

New White Perfection. A distinct race of upright asters. Flower of branching type, but very strongly whorled, making the center very well covered, so well that it is almost impossible to grow this aster with yellow center. Flower large snow white, stems long, plant very robust. The full double form of the flower makes a very shy production of seed, hence the following high prices. Pkt., 15c; $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 60c.

Pink Enchantress. Flowers soft delicate pink; always full double, petals of medium length and very broad. Plant upright in habit; stems long, strong and graceful. Midseason. Pkt., 15c; $\frac{1}{8}$ oz., 50c.



Lady Roosevelt Aster.



New Double Cosmos.

New Double Cosmos

Some years ago when the new Double Cosmos was first offered we considered it a notable addition to this beautiful family of easily grown annuals for cutting. We are pleased to announce, however, that, due to painstaking effort on the part of an American grower, this strain has been further improved upon, in size of flower, greater degree of doubleness, and general vigor of plant. Many of the flowers are entirely double, while others have an attractive collar which adds, we think, to its beauty. We offer three distinct colors, as well as a mixture of all three.

Double Pink. Beautiful rose-pink.

Double White. Pure glistening white. { Each, pkt., 20c;

Double Crimson. Rich rose-crimson. 6 pkts., \$1.00.

Double Mixed. Mixtures of all three.

Chinese Woolflower (Celosia Childsi)

This unique type of Celosia plumosa forms large globular heads like balls of wool or chenille, which looks as if made out of some silky material. The plants 2 to 3 feet in height, branch freely, each branch terminating with a flowerhead. It continues to flower from early summer until frost, and is very effective for gardens, either massed or grown as individuals. Valuable for cutting as they retain their bright color for weeks. Crimson. Pkt., 15c. Pink. Pkt., 15c.

New Antirrhinum (Snapdragon)

Katherine Morse. A new color and form of flower in Antirrhinum. The color is soft tones of old rose and yellow. The tube is soft old rose and face of flower yellow suffused with old rose. The top of the flower is beautifully waved. Pkt., 20c.

Orange King Calendula

New Forcing Strain

We have perfected and now offer for sale a strain of Orange King that will give excellent satisfaction for forcing. Very large, fully double, rich color, averaging over 3 inches across, and throw no single flowers. Pkt., 10c; $\frac{1}{4}$ oz., 40c; $\frac{1}{2}$ oz., 70c; oz., \$1.25.



Calendula—New Forcing Orange King.

Gaillardia Grandiflora "DAZZLER"

Few flowers rival the Gaillardia for making a gorgeous display in the garden, and this fine new variety is an advance on all others of its class. Originating from Lady Rolleston it produces larger flowers with wider florets, often attaining a diameter of 4 to 5 inches. The color is a bright golden yellow with rich maroon-red center, the two tints bearing a well balanced and harmonious proportion to each other. The plant is vigorous, throwing up a profusion of long and erect flower stalks, which provide excellent material for cutting and are unsurpassable for table decoration. This novelty comes very easily true from seed. Pkt. 25c; 3 pkts., 65c.



Gaillardia Grandiflora. "Dazzler."

New Hollyhock "QUEEN OF SHEBA"

A unique color in the highly perfected class of Chater's Double Hollyhocks. The very double and finely formed flowers of this superb variety are of a beautiful primrose-buff hue with rosy reflections, a lovely and most effective coloring and a great acquisition to the varied range already existing in this stately and highly decorative species. Pkt. 25c.

New "Royal Bouquet" Verbena

Wonderful as the Verbena is as a decorative plant for summer bedding its usefulness has always been limited by its rampant spreading habit, and gardeners have long desired to have the plant in a compact and upright growing form. This New Variety forms a plant 15 to 18 inches high and not more than 10 inches across, no lateral branches being thrown out, and what gives this novelty its special value is the fact that the flowers will compare in size and variety of color with those of the finest strains of Auricula-eyed Verbena. Suitable for growing in pots. Mixed Colors. In packets only. 25c.



New Verbena. "Royal Bouquet."



QUEEN OF SHEBA.

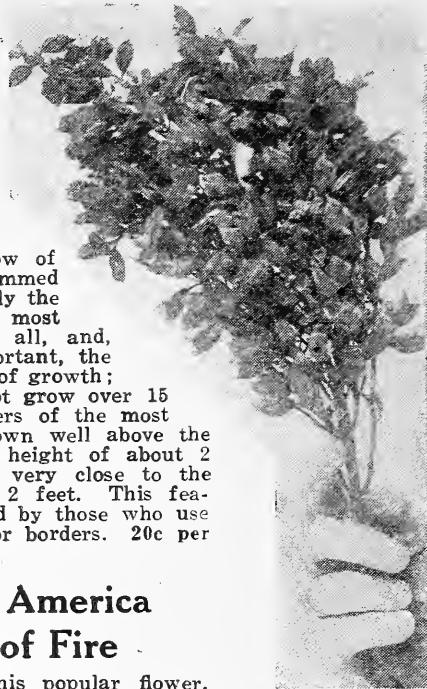
Two Fine New Salvias



Salvia, America or Globe of Fire.

New Bouquet Rose Salvia

The outstanding feature of this New Bouquet Rose Salvia is its marvelous evenness of growth. A row of it looks like a well trimmed hedge and is undoubtedly the earliest, freest and most continuous bloomer of all, and, what is still more important, the most uniform in habit of growth; the bushy plants do not grow over 15 inches high, with flowers of the most pleasing rose pink thrown well above the plant, making a total height of about 2 feet. It flowers from very close to the ground to a height of 2 feet. This feature will be appreciated by those who use Scarlet Sage for beds or borders. 20c per pkt.; 6 pkts., \$1.00.



Bouquet Rose Salvia.

New Salvia, America or Globe of Fire

A new variety of this popular flower. The bushy plants do not grow over 15 inches high, with the large spikes of brilliant scarlet flowers thrown well above the plant, making a total height of about 2 feet. If desired for borders or beds, this is indeed an acquisition on account of its uniformity of height. A continuous bloomer. Pkt., 25c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75.

Two Choice New Types of Zinnias

New Double Dahlia-Flowered Zinnias

We are pleased to be able to offer this Zinnia in separate colors this year. The plants are of the same vigorous habit as our Giant Double-flowering varieties listed on this page. They attain the height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth, similar in shape to the Decorative Dahlia. We consider them a fitting companion to our strain of Giant Double-flowering Zinnias.

Oriole. Orange and gold.

Crimson Monarch. Largest of the red shades.

Exquisite. Light rose, center deep yellow.

Golden State. Rich orange-yellow.

Buttercup. Rich yellow.

Polar Star. Large, pure white.

Old Rose. Beautiful shades of old rose.

Collection. One packet each of above 7 varieties, \$1.25.

Mixed. A mixture of all shades.

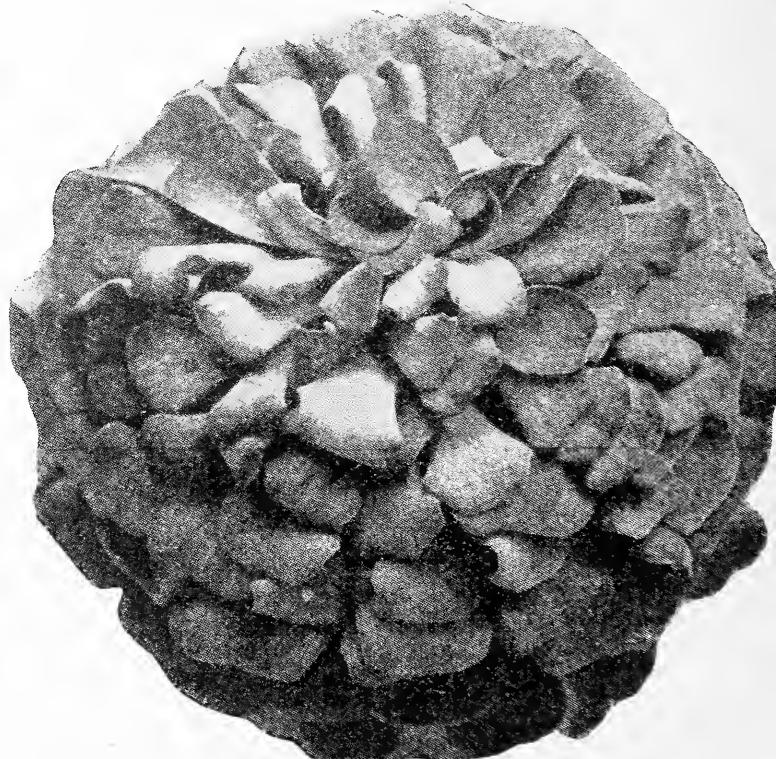
Each, pkt., 25c; 5 pkts., \$1.00.

Johnson's Double Giant Zinnias

Our special strain of this grand old free and continuous flowering annual produces flowers of colossal size, specimens measuring from 5 to 6 inches across being not unusual. Plants are of extremely robust habit, attaining a height of 3 feet and bearing on long stems numerous semi-globular, mostly very double flowers, all of the largest size, making them of great value in large beds, borders, etc.; grown under favorable conditions they remain in bloom from early summer to late autumn.

We offer 10 of the most wanted colors, separately, as well as a splendid mixture of many colors, as below:

	Pkt. $\frac{1}{4}$ oz.	Pkt. $\frac{1}{4}$ oz.
Giant Golden Yellow	\$0.20	\$0.75
Giant Scarlet .....	.20	.75
Giant Burnt Orange .....	.20	.75
Giant Salmon .....	.20	.75
Giant Flesh .....	.20	.75
Giant Sulphur Yellow .....	.20	.75
Giant White .....	.20	.75
Giant Violet .....	.20	.75
Giant Purple .....	.20	.75
Giant Crimson .....	.20	.75
Collection of a packet of each of the above colors, \$1.00		
Giant Mixed. All colors. Pkt., 20c; $\frac{1}{4}$ oz., 65c; oz., \$2.25.		



Giant Double Zinnia.

New Crimson King Sweet Pea

New Crimson King is unquestionably the finest self colored Crimson Sweet Pea ever introduced. The strong growing vines produce freely the very long stemmed sprays of four fine large blossoms. The color is a solid, rich, deep crimson throughout, becoming richer in the throat. The texture of the petals is thick and the opaque effect most pronounced. The flowers are very large, of grand form, and are borne on stout stems. In packets only, 25 seeds, 25c.



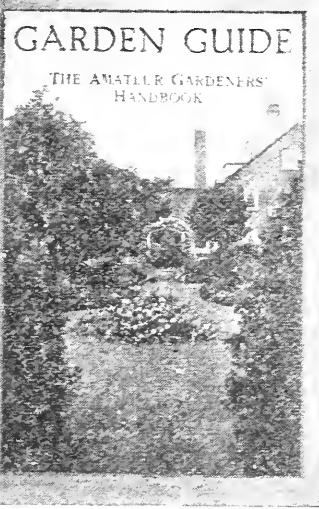
Balcony Petunias.

Three Balcony Petunias

These three varieties, which we offer here this year in order to give them wider prominence, are a select type of the plain edged Petunia which by reason of the habit of the plant is well adapted for window-box culture. The plants are symmetrically formed, grow about 1 foot high, and the flowers are rich and pure, measuring 3 inches across. We offer them in three distinct colors: Balcony Blue. Rich indigo-blue. Balcony Rose. Rose-pink. Balcony White. Each, pkt., 20c; 3 pkts., 50c.



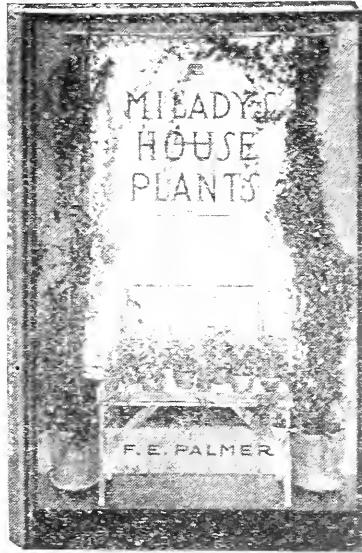
New Sweet Pea, Crimson King.



GARDEN GUIDE.

It tells in full about how to prepare and fertilize your ground, how to distinguish and get rid of insect pests.

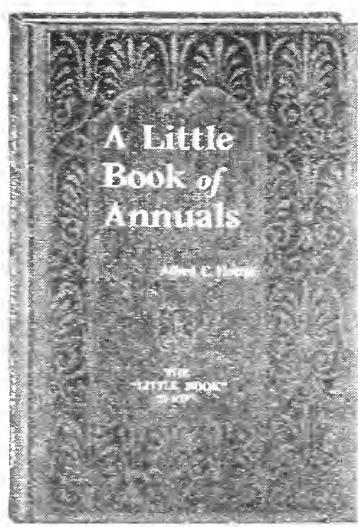
All the flowers and bulbs with planting plans; the lawn, ornamental trees and shrubs, vines, water plants. 384 pages and over 275 teaching illustrations with beautiful cover in four colors. Price, paper cover, \$1.00; postpaid, \$1.10; cloth cover, \$1.50; postpaid, \$1.65.



MILADY'S HOUSE PLANTS

For those seeking success with plants in the home.

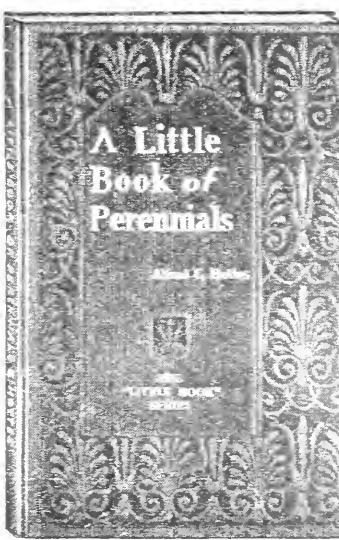
Gives instructions to follow for potting, drainage, watering, temperature, sunlight, air, and other details. Cover in four colors. Price, paper, 75c; postpaid, 80c; cloth, \$1.00; postpaid \$1.10.



A LITTLE BOOK OF ANNUALS.

Among the choicest flowers scattered over the earth are some whose lives are short. These are the annuals, and Prof. Hottes through his book opens up a door to greater success with these charming flowers.

Price, paper cover, \$1.00; postpaid, \$1.10; cloth cover, \$1.50; postpaid, \$1.65.



A LITTLE BOOK OF PERENNIALS

Devoted to the general principals of growing, using, selecting and propagating perennials, followed by a number of comprehensive lists of perennials suited for different locations and purposes.

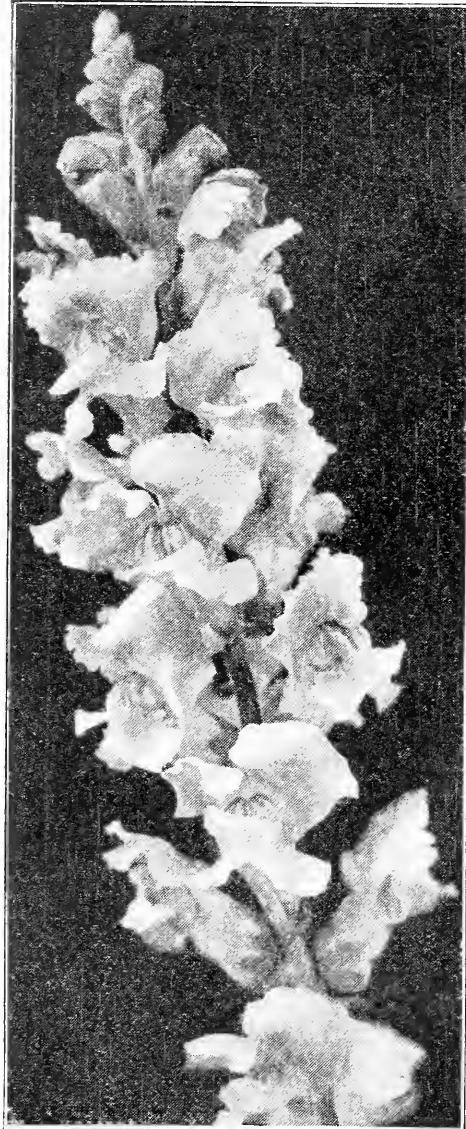
Price, paper cover, \$1.00; postpaid, \$1.10; cloth cover, \$1.50; postpaid, \$1.65.

Johnson's Selected Flower Seeds

GENERAL LIST

In the following pages we offer a carefully selected list of Flower Seeds, in which no want of the flower-garden has been overlooked, the numerous varieties insuring a wide range of color, form, height, habit and season, thus permitting selection for any and every ornamental purpose.

ALL FLOWER SEEDS ARE SENT POSTPAID AT PRICES GIVEN.



Antirrhinum Giant White.

Ammobium - Winged Everlasting

Alatum Grandiflorum. A very attractive annual ever-lasting; flowers are silvery white with yellow disc; grows best in light soil. 2 ft. $\frac{1}{4}$ oz., 20c. \$0.05

Ampelopsis

Veitchi. (Boston Ivy.) A very elegant hardy vine, attaching itself to stone, brick or woodwork. Oz., 50c. .10

Anchusa (Alkanet)

Italica, Dropmore Variety. 5 feet. June-July. Beautiful gentian blue flowers; one of the best perennials15

Anemone (Windflower)

Lovely flowers in many shades of scarlet, blue, purple and white; flowers 2 inches and over in diameter, durable, elegant for cutting. Pkt.

Coronaria. Fine mixture $\frac{1}{4}$ oz., 50c. \$0.10
St. Brigid. Produces double and semi-double flowers in a wonderful array of colors $\frac{1}{4}$ oz., 50c. .10

Antirrhinum (Snapdragon)

Giant White. Large flowering10

Giant Scarlet. Large flowering10

Giant Yellow. Large flowering10

Giant Mixed. Large flowering $\frac{1}{4}$ oz., 30c. .10

Half Dwarf White. Large flowering10

Half Dwarf Crimson. Large flowering10

Half Dwarf Yellow. Large flowering10

Half Dwarf Mixed. Constant bloomers $\frac{1}{4}$ oz., 30c. .10

Abutilon - Flowering Maple

Tender perennial shrub of easy culture. Pkt.
Finest Mixed Colors. Excellent for flowering indoors \$0.15

Achillea - Milfoil, or Yarrow

The Pearl. Hardy white perennial25

Aconitum - Monkshood or Wolfsbane

Pkt.

Napellus. A hardy perennial, growing in any good soil, producing blue and white flowers. Well adapted for planting among shrubbery or in shady corners of the garden; 3 to 5 feet $\frac{1}{4}$ oz., 40c. \$0.10

Acroclinium - Everlasting Flower

Showy, free-flowering annual plants; the flowers should be picked before they expand, and hung with tops downward to dry; for winter bouquets; 1 ft. Pkt.

Single or Double Mixed \$0.10

Ageratum -

Suitable for borders, pots, boxes, etc. Annual.
Little Blue Star. Very fine, free bloomer15
Blue Perfection. Dwarf; large, deep blue flowers; fine for edging flower beds or walks $\frac{1}{4}$ oz., 80c. .10
Mexicana Blue. A standard sort $\frac{1}{4}$ oz., 30c. .10
Snow White. Very beautiful05
Improved Dwarf White. Compact grower, free flowering $\frac{1}{4}$ oz., 25c. .05
Little Dorritt. Blue; only 6 inches high05

Agrostemma - Rose of Heaven, Mullein Pink

Coronaria Varieties Mixed. Attractive, free-flowering, producing bright colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. 1 to 2 feet. June-September05

Alyssum - Sweet Alyssum, or Madwort

Grows anywhere. For beds, borders, etc.
Maritimum. The common Sweet Alyssum Oz., 35c. .05
Little Gem. Grows compact; pure white. 4 inches Oz., 60c. .10
Saxatile Compactum. (Basket of Gold.) Showy bright yellow flowers; hardy perennial; blooms the first season if sown early indoors $\frac{1}{4}$ oz., 40c. .10
Compactum Lilacinum (Lilac Queen) Oz., \$1.00.
Snow Carpet (Annual). One of the most valuable dwarf bedding plants of modern introduction. If transplanted a foot apart the plants spread out their side branches along the ground until they meet becoming covered with pure white flowers, giving the effect of a snow carpet. Flowers through the summer and autumn until cut off by frosts. Ht. 4 inches Oz., \$1.00. .10

Amaranthus

Caudatus. (Love-Lies-Bleeding.) Crimson05
Cruentus. (Prince's Feather.) Dark red05
Finest Mixed05

Aquilegia (Columbine)

Long-Spurred Hybrids. A beautiful strain, comprising shades and combinations of blue, white, yellow, orange orange-scarlet and bright rose-pink, in large flowers with long spurs 2 pkts., 25c. .15
Caerulea. (Rocky Mountain Columbine.) Flowers large, petals white, sepals deep blue, spurs very long; one of the most beautiful $\frac{1}{2}$ oz., 50c. .10
Vulgaris. The common European Columbine, flowers rich violet blue. A strong and easy grower $\frac{1}{4}$ oz., 30c. .05

Arabis (Rock Cress)

Alpina. A hardy perennial. Unequalled for rockeries or edging; withstands the drought $\frac{1}{4}$ oz., 25c. .10

Arctotis (African Daisy)

Grandis. A remarkably handsome annual from Southwest Africa. It forms much-branched bushes 2 to 3 feet high; its flowers are large and showy, being pure white on the upper surface, the reverse of petals pale lilac blue. There are few annual flowers grown in the garden more valuable for cut flower work than the Arctotis. It is easily grown from seed. $\frac{1}{4}$ oz., 30c. .10

Asparagus

Very graceful plants extensively grown for cutting, the foliage being used in all designs, bouquets, etc. Pkt.
Plumosus nanus. 50 seeds, 55c; 100 seeds, \$1.00. .05
Sprengeri. 50 seeds, 30c; 100 seeds, 50c. .10

Asters

We make a great specialty of this popular flower, securing our stocks from the most skillful growers only and we confidently recommend them. Aster Plants ready in June.

Semple's Branching Asters

These are especially valuable for cut flowers, because of their handsome flowers and long stems. They bloom two to three weeks later than most sorts. We offer them in eight separate colors, Pure White, Crimson, Lavender, Peach Blossom, Shell Pink, Bright Pink, Rose, and Dark Purple. Pkt. Price, separate colors $\frac{1}{8}$ oz., 35c. \$0.10 Choicest Mixed $\frac{1}{8}$ oz., 30c; $\frac{1}{4}$ oz., 50c. .10

Royal Asters

A new class of American Aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. A medium early bloomer. We offer the following colors: White, Shell Pink, Rose Pink, Lavender, Purple.

Separate colors $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 65c. .10 Finest Mixed $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 65c. .10

Ostrich Plume

The finest type of the Giant Comet or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut flowers par excellence. We offer the following colors: White, Delicate Pink, Dark Blue, Light Blue, Crimson.

Separate colors $\frac{1}{8}$ oz., 35c. .10 Finest Mixed $\frac{1}{8}$ oz., 30c. .10



Grego's Giant Comet Aster.

Queen of the Market

This variety is about two weeks earlier than most other sorts. The flowers are quite large, very double, and are valuable for cut flower purposes. The following are the most distinct colors: Pure White, Blush Pink, Bright Pink, Rose, Dark Blue, Lavender, Light Blue and Crimson. Pkt. Price, any color $\frac{1}{8}$ oz., 35c. \$0.10 Mixed Colors. $\frac{1}{8}$ oz., 30c; $\frac{1}{4}$ oz., 50c. .10

King Asters

Of the late branching type. Bloom round, full and very large, and of a soft violet shade; stems long and stiff. August and September. 2 to $2\frac{1}{2}$ feet.

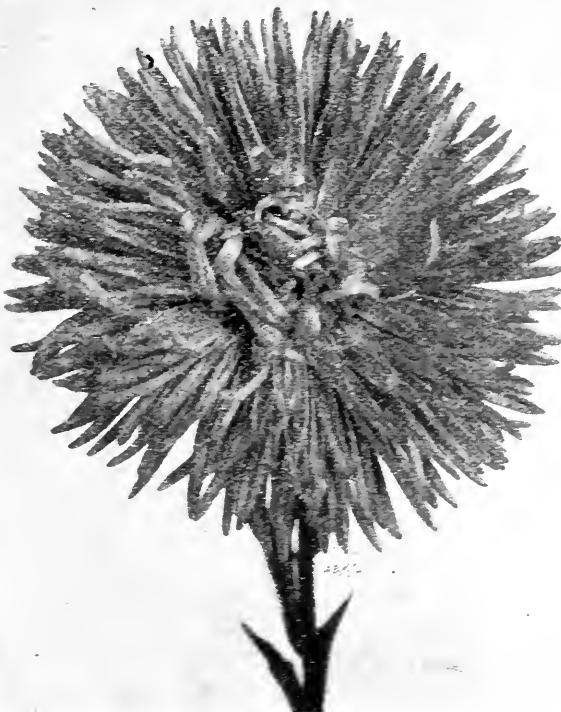
Pkt.
Lavender King. Soft lavender blue \$0.15
Pink King. An attractive delicate shell pink15
Rose King. A beautiful brilliant rose variety15
Violet King. A pleasing soft shade of violet15
White King. Pure White15
Crimson King15
Finest Mixed $\frac{1}{8}$ oz., 35c. .10

Daybreak - Improved American Victoria

The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding. Purity, pure white; Salmon; Rose; Blue; and Lavender, each pkt., 10c; $\frac{1}{8}$ oz., 30c. Mixed, all colors, pkt., 10c; $\frac{1}{8}$ oz., 25c.

"Peerless Pink" Asters

This is conceded to be the finest pink late branching Aster ever offered. Comes into bloom about the middle of August, being at its best during the early part of September. Pkt., 15c.



King Aster.

Grego's Giant Comet

Flowers of immense size, often 6 inches across; especially valuable for cutting. Pkt.

White, Royal Purple, Blue, Shell Pink, Rose, Lavender, Crimson. Any color $\frac{1}{8}$ oz., 40c. \$0.10 Finest Mixed $\frac{1}{8}$ oz., 35c. .10

Mikado Asters

Similar to the Grego's Giant but dwarfer in growth, and comes into bloom fully two weeks earlier. Height about 18 inches, of branching habit, and the flowers, borne on long, strong stems, are of colossal size, 5 to 6 inches across being the rule. Pkt. Mikado Pink or Rochester \$0.15

Mikado White. Of purest glistening white15 Mikado Mixed $\frac{1}{4}$ oz., 50c.

Lavender Gem Aster

One of the most beautiful Asters. It is of true Comet type, with large, artistic, loosely-arranged flowers on long, wiry stems and of the most charming shades of lavender imaginable. Begins blooming in July, continuing through August; a lovely variety for cutting. Pkt. Finest Mixed \$0.15

Asternum

A fine new variety, with flowers much resembling a chrysanthemum. Pink, Lavender, and White. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

Hardy Perennial Aster

Mixed. (Michaelmas Daisies.) Single fall-flowering hardy herbaceous plants, thriving in any good garden soil. If sown early they will flower the first season. 3 feet. Pkt., 10c; $\frac{1}{4}$ oz., 50c.



Semple's Branching Aster.

Balsam (Lady Slipper)

Give brilliant masses of beautiful flowers for little care. Plants about 2 feet in height; transplanting dwarfs them and renders the flowers more double. Pkt.

Double White Perfection. Pure white; large and full to the center $\frac{1}{8}$ oz., 20c. \$0.10

Double Camellia-flowered. Very large, perfect flowers, camellia-like in form. All colors, mixed. $\frac{1}{2}$ oz., 35c; oz., 60c. .10



Balsam.

Begonia Semperflorens

EVER-BLOOMING BEDDING VARIETIES.

They are of sturdy growth, growing about 1 foot high and forming dense bushes, which from May until frost, are completely hidden with flowers. As pot plants for winter flowering they are superb, remaining a sheet of bloom throughout the entire year. The seed being very fine, should be sown on top of box, pressed in soil, not covered. Pkt.

Erfordia. A pretty variety, densely covered with handsome flowers of a delicate rose color. \$0.20

Gracilis Luminosa. Large, bright scarlet flowers25

Gracilis Prima Donna. 1 ft. Forms broad, full bush with dense foliage. The flowers are brilliant, clear pink, shading to carmine rose.25

Semperflorens Atropurpurea Vernon. Bright orange-carmine flowers, deep red foliage \$0.15

Semperflorens Mixed.15

Melanie. The color is white, beautifully edged with pink25

TUBEROUS-ROOTED VARIETIES.

Single Tuberous-Rooted Mixed. Saved from finest exhibition varieties, all having large, well-formed flowers of many brilliant shades of color.35

Double Tuberous-Rooted Mixed. Produced on strong, erect stems, an abundance of very brilliant double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Very striking.50

Frilled Tuberous-Rooted. Seed saved from selected, best frilled flowers.35

Bellis Perennis (Double Daisy)

These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and protected during the winter, and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches.

Pkt.

Longfellow. Large double pink flowers \$0.10

Monstrosa, Pink. These surpass all strains of this popular plant in strong, robust growth and in the abundance of extra large, perfectly double flowers25

Monstrosa, White25

Monstrosa, Mixed25

Snowball. Purest white; large and double10

Double Mixed. Extra fine $\frac{1}{8}$ oz., 50c. .10

Boltonia (False Chamomile)

This Aster-like hardy plant is useful for cutting, remaining in bloom a long time. Pkt.

Latisquama. Delicate pink \$0.10

Brachycome (Swan River Daisy)

Free-flowering, dwarf-growing annuals with pretty blue or white flowers $\frac{1}{4}$ oz., 40c. \$0.10

Browallia

Elatia. Best mixed. Fine for greenhouse05

Calliopsis

Free-flowering annual, of the easiest culture. Excellent for cutting and massing. Pkt.

Golden Wave. (Drummondii.) Rich golden-yellow with small chestnut brown center; very free; 12 inches $\frac{1}{4}$ oz., 15c; oz., 25c. \$0.05

Crimson King. A fine dwarf sort, 9 inches high color rich velvet crimson-garnet. $\frac{1}{4}$ oz., 30c. .10

Tiger Star. Plants not over 9 inches high, flowers of rich reddish-brown, tigered with golden yellow, not unlike some of the orchids. $\frac{1}{4}$ oz., 30c. .10

Choicest Mixed $\frac{1}{4}$ oz., 20c. .05

Calendula (Pot Marigold)

Fine, showy, free-flowering hardy annual. For beds, borders or pot-culture in house. Pkt.

Meteor. Large double yellow, each petal striped with orange. Oz., 25c. \$0.05

Prince of Orange. Like Meteor, but darker Oz., 25c. .05

Orange King. Very large, double, dark orange Oz., 35c. .05

Double Sulphur. Very large and extremely double flowers of a pleasing sulphur yellow color. Oz., 25c. .05

The Ball. Introduction of 1922. This new Orange Calendula represents a very great improvement in size, length of stem and fullness of flowers. It has exhibited these superior characteristics uniformly for the past 4 years, not only with the originator but with other growers. We have made arrangements with the introducer, Mr. George J. Ball, of Glen Ellyn, Ill., to offer seed in his packets to our customers at his prices, which are: oz., \$5.00; Trade pkt. of $\frac{1}{4}$ oz., 3.00. Finest Mixed. Oz., 20c. .05

Campanula (Bellflower)

A family containing beautiful border-plants, several varieties beautiful as pot-plants. Mainly hardy biennials and perennials. Pkt.

Calycanthema. (Cup and Saucer.) Delightful in form and colors, and elegant subjects for the garden or for pot culture. 2 to $2\frac{1}{2}$ feet. We offer Pink, Blue, White or Mixed $\frac{1}{4}$ oz., 60c. \$0.10

Medium. (Canterbury Bell.) Large bell-shaped flowers in many shades. Elegant border or pot-plants. We offer Single White, Dark Blue, Light Blue and Rose in separate colors or Mixed10

Carpatica. (Harebell.) Dwarf plants with cup-shaped flowers, suitable for borders, edging, etc. Blue or White $\frac{1}{4}$ oz., 50c. .10

Calceolaria

The seeds are very small, and should be sown in the greenhouse on the surface of shallow boxes filled with a light sandy soil, which has been sifted. Sow moderately thick in rows on the surface, and cover very lightly with sifted sphagnum moss, cocoanut waste or very light soil. Press the soil firmly on the seed. The watering should be done carefully; an atomizer or brush is best. To retain the moisture the box may be covered with a pane of glass, which must be removed as soon as plants appear. Soil should be light and rich. Pkt.

Johnson's Prize Mixed. 1 $\frac{1}{2}$ ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. Is a very desirable flower. Bears a large profusion of small, pocket-shaped flowers, which are beautifully tigered or spotted. .300 seeds. \$0.50

Rugosa Aurea, Rain of Gold. 12-in. small flowering for bedding25

Rugosa, Mixed. Includes nearly all the beautiful shades found in the Herbaceous Calceolaria25



Begonia.

CALIFORNIA POPPY—See *Eschscholtzia*.

Canary Bird Vine

15 to 20 ft. A dainty vine with beautiful cut leaves and pretty, delicate Pkt. flowers of a clear canary-yellow. From the color of its blossoms and also from a fancied resemblance of their shape to a bird with wings expanded the plant obtained its common name. Does well in the shade... Oz., 40c. \$0.05

Candytuft - *Iberis Umbellata*

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting, the flowers are greatly prized.

Pkt.

Giant Hyacinth-Flowered White. 1 ft. A grand border plant, bearing very large, bold spikes of snowy white flowers, habit sturdy and compact.

This is an especially select stock Oz., 60c; $\frac{1}{4}$ oz., 20c. \$0.10

Empress. Pure white, splendid cut flower. $\frac{1}{2}$ oz., 25c. .05

Crimson. Rich deep shade Oz., 40c. .05

Purple. 1 foot Oz., 40c. .05

Carminea. Carmine, 1 ft. Oz., 40c. .05

Carnaia. Flesh colored, 1 ft. Oz., 40c. .05

White Fragrant. Flowers small, but sweetly scented Oz., 35c. .05

Mixed Colors. A splendid mixture Oz., 25c. .05

Iberis. (Hardy Candytuft.) A beautiful perennial of trailing habit, covered with white flowers in spring. .10

Gibraltarica Hybrids. A dwarf, compact form, with purple and white flowers; 1 foot $\frac{1}{4}$ oz., 40c. .10

Canna

(For Roots see page 50.)

Dwarf French Mixed. Dark leaved sorts Oz., 25c. .05

Cardinal Climber

We consider this the most beautiful and distinct annual climber introduced in many years. It is a strong and rapid grower, attaining a height of thirty feet or more, with a beautiful, deeply laciniate foliage, and literally covered with a blaze of circular fiery cardinal red flowers from mid-July till frost. The flowers are about $1\frac{1}{2}$ inches in diameter, and are borne in clusters of 5 to 7 blooms each. Our seed is direct from the originator. $\frac{1}{4}$ oz., \$1.00; pkt., 15c.

Cerastium - Snow-In-Summer

Tomentosum. A very pretty dwarf, white-leaved edging plant, bearing small white flowers; hardy perennial. \$0.15

Clarkia

Elegans Double Mixed. A fine mixture containing all the colors. $\frac{1}{4}$ oz., 25c. .10

Separate shades. In pink, white and red. .15

Cleome - Giant Spider Flower

Gigantea. The finest Cleome we have ever seen. The plants attain a height of $3\frac{1}{2}$ feet, well branched, each branch terminated by a large head of bright, rosy crimson flowers. $\frac{1}{4}$ oz., 25c. .10

Carnations

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer. Pkt. **Chabaud's Everblooming, Mixed.** Blooms in five months after being sown, and continues to flower in the greatest profusion indefinitely. $\frac{1}{4}$ oz., 40c. \$0.25

Choice Mixed. Double border varieties $\frac{1}{8}$ oz., 40c. .15

MARGUERITE CARNATIONS

These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected they will survive an ordinary winter and bloom the following spring.

White $\frac{1}{8}$ oz., 40c. \$0.10

Yellow $\frac{1}{8}$ oz., 40c. .10

Pink $\frac{1}{8}$ oz., 40c. .10

Scarlet $\frac{1}{8}$ oz., 40c. .10

Choice Mixed Oz., \$1.50; $\frac{1}{8}$ oz., 25c. .10

Pkt.

Celosia Plumosa - Feathered Cockscomb

Make fine plants for large beds or groups, and the plumes or flowers can be cut and dried for winter bouquets. Should be treated exactly the same as Cockscombs, described above.

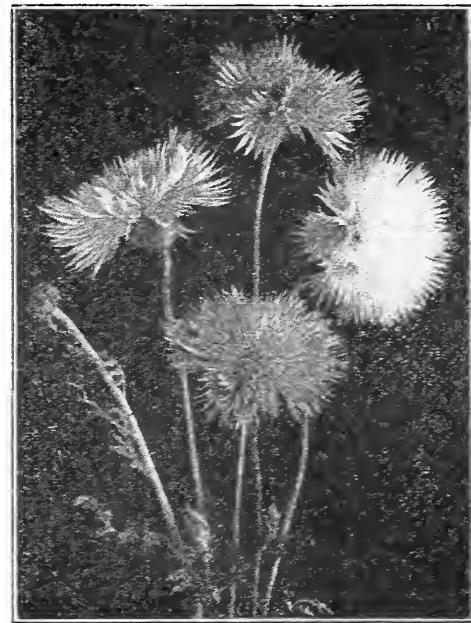
Thompson's Superb. (Triomphe de l'Exposition.) Of pyramidal growth, attaining a height of 3 feet, and Pkt. producing graceful, feathery plumes of the most brilliant crimson. $\frac{1}{4}$ oz., 30c. \$0.10

Childsii. (Woolflower.) Bloom starts early with a center head, round and globular, which at times reaches the immense size of 2 feet in circumference. When in full bloom looks like an immense bouquet. Deep crimson scarlet. Plant 2 to 3 feet high. .10

Thompson's Magnifica. Similar to the preceding, but ranging in color from the clearest yellow to the darkest blood red. $\frac{1}{4}$ oz., 40c. .10

Golden Plume. Bright golden yellow plumes. $\frac{1}{4}$ oz., 30c. .10

Plumosa, Mixed. Feathered varieties in all colors. $\frac{1}{4}$ oz., 25c. .05



Centaurea Imperialis—Sweet Sultan.

Celosia Cristata - Cockscomb

Free-flowering annuals, growing best in rather light soil, not too rich; make grand border plants and are attractive for pots. Seed can be sown under cover in early spring and planted out in May, or sown out of doors in May. Pkt. **Empress.** Rich crimson; combs of colossal proportions. \$0.10 **Glasgow Prize.** Immense, showy dark crimson combs. .10 **Queen of the Dwarfs.** This we consider the finest of the dwarf-growing Cockscombs. The plants grow only 8 inches high, beautiful dark rose-colored combs. .10 **Dwarf, Mixed.** Fine dwarf varieties $\frac{1}{4}$ oz., 35c. .10

Centaurea or Bachelor Button

Well adapted for borders and bedding. Beautiful foliage and flowers freely. Pkt. **Cyanus.** (Emperor William.) Blue Oz., 30c. \$0.05 **Cyanus, Single Mixed.** Annual Oz., 25c. .05 **Cyanus Double Blue.** Oz., 35c. .10 **Gymnocarpa.** (Dusty Miller.) Silver leaved. $\frac{1}{4}$ oz., 35c. .10 **Candidissima.** Whiter leaves than Gymnocarpa. .15 **Imperialis.** (Sweet Sultan.) Finest mixed. $\frac{1}{4}$ oz., 20c. .05 **Imperialis.** In these separate colors: Purple, Lilac, white, blue and yellow Oz., 60c. .10

Chrysanthemum

Single Mixed. Annual. Large range of colors. Oz., 35c. \$0.05 **Double Mixed Coronarium.** Annual Oz., 35c. .05 **Hardy Pompon.** A fine strain of the old-fashioned hardy fall-flowering sorts, with double button-like blossoms. .25 **Mixed colors**25 **Pompon.** The pretty, hardy dwarfs, with bright, clustered flowers, which brighten up the garden late in autumn. $1\frac{1}{2}$ feet .25

Cineraria

Shows a wide range of colors. A favorite greenhouse plant. Our seed is superb. Pkt. **Kelway's Model.** Large-flowering prize strain. Unsurpassed for color and form. $1\frac{1}{2}$ feet .075 **Hybrida Grandiflora.** Seed saved only from the choicest specimens .30 **Half Dwarf Prize Mixed.** Dwarf foliage; large flowers .50 **Stellata Mixed.** (Star Cineraria.) A charming sort for house decoration .25

WHITE-LEAVED CINERARIA (Dusty Miller). **Maritima Candidissima.** These, as well as the white-leaved Centaureas, are called "Dusty Millers." Fine for bedding, ribbon beds and margins; prized for their beautiful downy, silvery foliage; half hardy perennials, but should be treated as annuals; two ft. $\frac{1}{4}$ oz., 25c. .10

Cobaea (Annual)

A magnificent rapid growing climber for covering trellises, arbors, trunks of trees, etc. Pkt. **Scandens.** Large, bell-shaped purple flowers. $\frac{1}{4}$ oz., 25c. \$0.10 **Scandens Alba.** Pure white .10

Coleus (Annual)

Choice Hybrids. Our strain produces the finest colored, most attractive and novel foliage plants for house or garden culture. Easily raised. Sow indoors in March or April .25

Convolvulus - Morning Glory

MAJOR, OR TALL VARIETIES.

One of the most popular annual climbers, growing about 15 feet in height and thriving in almost any situation.	Pkt.
Japanese Imperial. Flowers of immense size and of a great variety of colors.	Oz., 30c. \$0.05
Japanese Imperial Fringed. Large fringed flowers of many beautiful colors and shades.	Oz., 40c. .10
Snow Fairy. A new and beautiful variety producing an abundance of large double, snow-white, tassel-like flowers.	Oz., 75c. .10
Mixed. The ordinary variety.	Oz., 20c. .05
Double Flowering. Mixed colors.	Oz., 60c. .10

Coreopsis

Lanceolata Grandiflora. This is one of the finest of hardy plants, with large, showy bright yellow flowers, produced in the greatest abundance from June till frost. Unsurpassed for cutting....	1/4 oz., 25c. .10
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Cosmos

Mexican plants with handsome, cut foliage and graceful, long-stemmed, showy flowers. The Mammoth varieties should be sown early and the growth pinched when well established. This induces early flowering and provides a larger number of blooms.	Pkt.
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Early Flowering. Strain of great beauty, flowering from July till frost. White, Pink, Crimson, Dawn (white, tinted rose) and Mixed. Each	1/4 oz., 20c. \$0.10
Lady Lenox. Flowers 5 to 6 inches in diameter. Beautiful Shell-Pink and White. Each	1/4 oz., 20c. .10
Mammoth Late Perfection. A magnificent selection, bearing flowers of mammoth size and perfect form, and representing the highest development in Cosmos to date. White, Pink, Red and Mixed	1/4 oz., 20c. .10
Klondyke. A gorgeous orange yellow flower.	15c.
For the new double and semi-double varieties see Novelty pages.	

Cucumber, Wild

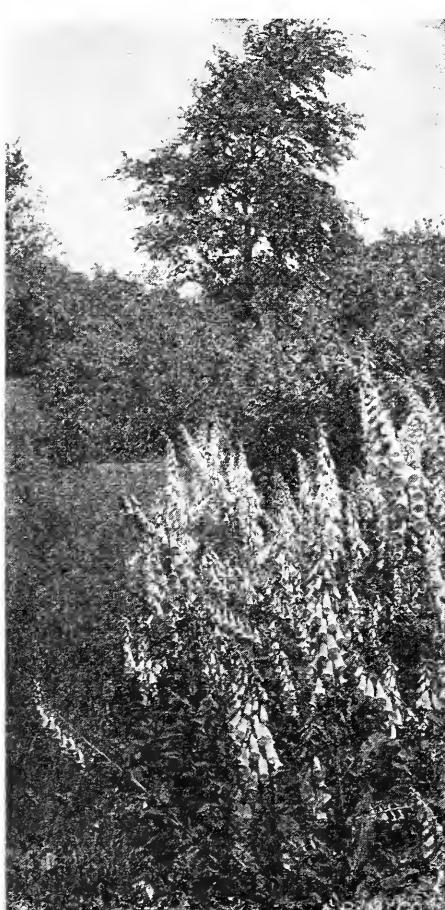
A very quick grower for covering old trees, etc.	
Echinocystis Lobata	Oz., 40c. .10

Cyclamen - Alpine Violet

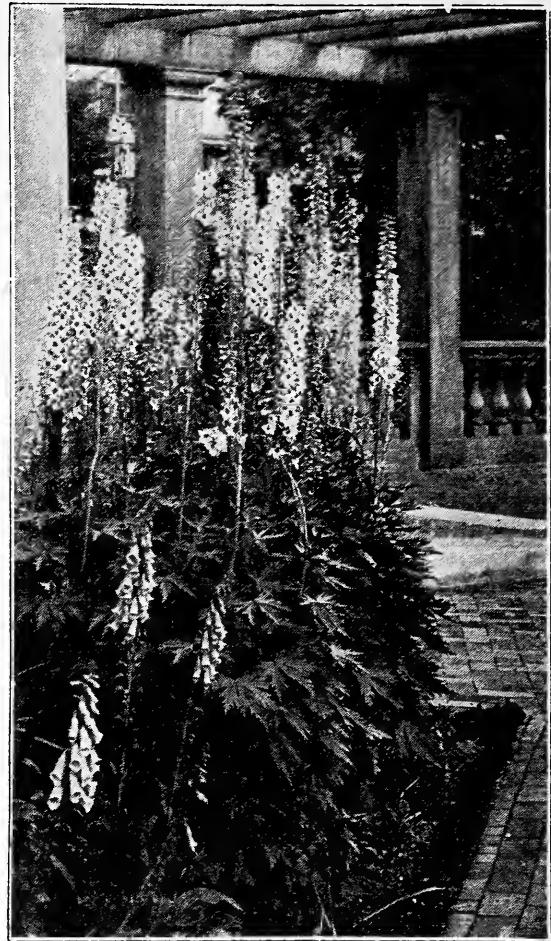
Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience. 1 ft. Giant Flowered Cyclamen. Mixed, extra choice. 10 seeds, 30c; 20 seeds, 50c; 100 seeds \$2.00.	
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Cypress Vine

A popular climber noted for dainty fern-like foliage and star-shaped flowers.	Pkt.
Finest Mixed	Oz., 25c. \$0.05



Digitalis—Foxglove.



Delphinium—Larkspur.

Dahlia

A half hardy perennial, flowering the first year, blooming as early and as freely as if grown from tubers.	Pkt.
Collarette. Finest mixed	\$0.15
Double Cactus. Finest mixed. Very desirable	.15
Finest Double Mixed. From choicest flowers	1/4 oz., 50c. 15
Finest Single Mixed. Best varieties only	1/4 oz., 30c. .10

Daisy (See also Bellis Perennis.)

Shasta. One of Burbank's productions which has become very popular. Many types are found in our stock, all very desirable	1/4 oz., 50c. .10
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Delphinium - Hardy Larkspur

Gold Medal Hybrids. This is a mixture of twelve of Blackmore & Langdon's finest varieties grown separately and seed mixed after harvest. The plants are of strong, vigorous habit, with immense spikes from 2 to 3 ft. long....	1/4 oz., 50c. .15
Belladonna. (Everlasting Hardy Larkspur.) This is the freest and most continuous blooming Hardy Larkspur from June until frost. Clear turquoise blue; unequalled for the hardy border	1/4 oz., 75c. .20
Bellamoum. This is a rich, deep blue form of the popular light blue Belladonna, having the same free-blooming and other good qualities	.25
Chinese. (Blue Butterfly.) A distinct and neat variety, growing about 18 inches high, with fine feathery foliage, and producing freely spikes of large blossoms of intense gentian blue	1/4 oz., 40c. .10
Album. The white-flowered form of the preceding	1/4 oz., 40c. .10
Double Hybrids. Finest double mixed in great variety of charming colors	1/4 oz., 75c. .15

DOUBLE ANNUAL VARIETIES.

Double Stock Flowered. These are among the first to flower. Very choice strain. Shell Pink, Dark Blue, Lilac, Sky Blue, Pure White and Mixed. 1 foot	1/4 oz., 25c; oz., 65c. 10
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Dictamnus - Gas Plant

Fraxinella. 3 feet. An old and beautiful plant with ash-like foliage and large spikes of deep pink, purple veined flowers, excellent for cutting. 3 ft.	1/4 oz., 30c. .10
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Digitalis - Foxglove

Gloxinioides, Purple	.10
Gloxinioides, Rose. Bright, showy flowers borne profusely on fine spikes	.10
Gloxiniaeflora White. Pure white flowers with dark green foliage make a fine show	1/4 oz., 25c. .10
Canariensis. A novel color, orange-brown. Of easy culture. Give slight shade and good soil.	.15
Choicest Mixed. Gloxinia-like flowers	1/4 oz., 25c. .10

Dimorphotheca - African Golden Daisy

Aurantiaca. Glossy orange gold	1/4 oz., 35c. .10
New Hybrids. White and yellow shades	1/4 oz., 40c. .10

Dracaena - Dragon Plant

Indivisa. Beautiful ornamental-leaved plants; long, narrow, green foliage; indispensable for vases and house decorations	1/4 oz., 25c. .10
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Dianthus - Divine Flower

The rich coloring, with the varied forms and fringing of petals common to many varieties, renders them very attractive. They are all useful for bedding and all serviceable for cutting. The Annual Pinks may be sown in autumn or spring. An adornment to every garden.

Double Annual Pinks

Pkt.

China or Indian Pinks (*Dianthus Chinensis*). Flowering from early summer to fall; strong, sturdy growers, suitable for beds and borders. Flowers very double and in unlimited variety of colors borne on long, stiff stems. Finest mixed. $\frac{1}{4}$ oz., 25c. \$0.05

Japanese Pinks (*D. Hedewigii* and varieties). A beautiful class of sturdy growing plants, 10 to 12 inches high and of the same width; handsomely marbled and mottled flowers in all imaginable colors; 2 inches and over in diameter. Finest mixed. $\frac{1}{4}$ oz., 25c. .05

Diadem Pinks. Very large, showy flowers, beautifully marked and flaked. Splendid mixed. $\frac{1}{4}$ oz., 35c. .05

Royal Pink. A beautiful class for cutting; flowers large and exceedingly fragrant, very double and on long stems; colors range from white to rose, and scarlet to blood red. $\frac{1}{4}$ oz., 50c. .10

Double Fireball. Brilliant scarlet; very compact and floriferous vines; for massing.10

Single Annual Pinks

Crimson Belle. Large, handsome, dark red flowers. $\frac{1}{4}$ oz., 35c. \$0.05

Eastern Queen. Flowers marbled rose and white. $\frac{1}{4}$ oz., 35c. .05

Single Royal Pink. Large flowers; petals fringed and crimped. Blood red to white in color. Finest mixed. $\frac{1}{4}$ oz., 40c. .10

"Salmon Queen." The well formed, nicely-fringed flowers are a brilliant salmon color changing into a salmon rose when fading. $\frac{1}{4}$ oz., 50c. .10

Vesuvius. Brilliant geranium red; makes a very effective bed or border. $\frac{1}{4}$ oz., 50c. .10

Single Pinks, Mixed Oz., 30c. .05

Hardy Garden Pinks

Very desirable for beds, borders, cemetery planting, etc. The flowers are highly prized for their spicy, refreshing odor.

Pkt.

Plumarius Cyclops (Clove Pink). An exquisite mixture of colors. $\frac{1}{4}$ oz., 35c. \$0.10

Plumarius fl. pl. (Double Hardy Scotch Pinks). Double and semi-double varieties in beautiful colors. $\frac{1}{4}$ oz., 75c. .15

Sempervirens. 15 inches. Single and double, flowers all spring and summer. Mixed colors $\frac{1}{4}$ oz., 50c. .15

Johnson's Special Mixture. A grand selection of clove pinks of the above *Plumarius* type and others. $\frac{1}{4}$ oz., 75c. .20

Eschscholtzia - California Poppy

Very brilliant flowers, produced in great numbers. Pkt.

Golden West. Very large, lovely yellow flowers, with orange blotch at the base of petals. Oz., 40c. \$0.05

Californica. Bright yellow. Oz., 30c. .10

Carmine King. Beautiful carmine-rose color. $\frac{1}{4}$ oz., 30c. .10

Single Flowered, Mixed. Extra fine. Oz., 25c. .05

Double Flowered, Mixed. Very good semi-double flowers. Nice for bedding or for massing. $\frac{1}{4}$ oz., 25c. .10

Eupatorium - Thoroughwort

Pkt.

Ageratoides. 2 feet. Pure white ageratum-like flowers; does well in shade. \$0.10

Euphorbia

Showy border plant, easily grown. Beautiful foliage edged and veined with white. Annual. Pkt.

Variegata (Snow-on-the-Mountain). Oz., 40c. \$0.10

Heterophylla (Mexican Fire Plant). $\frac{1}{4}$ oz., 40c. .10

Everlasting Flowers

Flowers of eternal beauty, those that never fade. Unsurpassed for winter decoration, and when made into bouquets or arrayed in vases, they last for years. Should be cut and dried when in bud and blossom. Pkt.

Acroclinium album fl. pl. Graceful; double, rose flowers; 1 foot. \$0.10

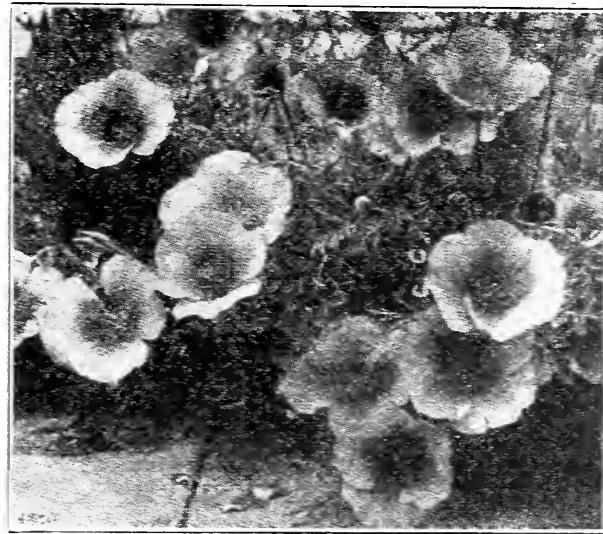
Ammobium alatum grandiflorum. Clusters of pure white flowers, 2 feet.10

Gomphrena globosa, mixed. Flesh, rose, purple and white. Known as Globe Amaranth. Very neat for pots. 1 $\frac{1}{2}$ feet.10

Helichrysum monstrosum, Double. Splendid mixed. About six colors. 1 $\frac{1}{2}$ feet.10

Rhodanthe Manglesi. Bright rose; charming and particularly neat in pots in the spring. Three plants should be potted together as foliage is small. 1 foot.10

Xeranthemum annuum. Very nice for summer cutting or for winter bouquets. Double; white, rose, and purple. Mixed.10



Eschscholtzia—California Poppies.

Fern Spores

Pkt.

Fine Mixed Greenhouse Varieties \$0.25

Gaillardia - Blanket Flower

Both the annual and perennial varieties of Gaillardia are very showy, and free bloomers all summer long until frost; good in any situation and easily grown. The individual flowers are of large size, very durable, and most brilliant in color; fine for bouquets. 2 to 3 feet.

Picta, Single Mixed. Annual. $\frac{1}{4}$ oz., 25c. \$0.05

Picta, Double Mixed. Annual. $\frac{1}{4}$ oz., 35c. .10

Amblyodon. Perennial. Rich blood red; very effective.10

Grandiflora. Hardy perennial. Single. Choice mixed. $\frac{1}{4}$ oz., 35c. .10

Kelway's Exhibition Hybrids. Entirely distinct. A grand new and improved strain. Flowers of enormous size, borne on stout stems. Choicest mixed. 2 pkts., 25c. .15

Geum - Avens

Mrs. Bradshaw. Very large double flowers of the brightest scarlet color; an excellent variety. \$0.15

Gloxinia

Johnson's International Mixture. Magnificent house blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors.50

Godetia

Succeeds best in poor soil. Very free blooming. Pkt.

Finest Single Mixed Annuals $\frac{1}{4}$ oz., 20c. \$0.05

Finest Double Mixed $\frac{1}{4}$ oz., 25c. .10

Gourds - Ornamental

Besides the curious fruits, Gourds are desirable to cover walls, arbors, etc. Tender annual.

Small Varieties, Mixed Oz., 20c. \$0.05

We can also supply any of the following:

Hercules Club, Dish Rag, Dipper, and Nest Egg. Oz., 20c. .05

All at Oz., 20c. .05

Grasses - Ornamental

Specimen plants, clumps or entire beds of harmonious varieties are especially interesting. They are always valuable for cutting, and may be preserved and used in combination with Everlasting Flowers for winter bouquets, decoration, etc.

ANNUAL VARIETIES Pkt.

Briza maxima. 1 $\frac{1}{2}$ feet. Quaking Grass. \$0.05

Cotyledon Lachrymae (Job's Tears). Seeds are used as beads. 1 $\frac{1}{2}$ feet. Oz., 10c. .05

Eragrostis elegans (Love Grass). Nice for sweet pea bunching. 1 $\frac{1}{2}$ feet.05

Pennisetum longistylum. Graceful, greenish-white plumes.05

PERENNIAL VARIETIES Pkt.

Arundo Donax variegata (The Variegated Giant Reed). Fine for groups. 12 feet.10

Gynernium argenteum (Pampas Grass). Beautiful silvery plumes. 8 to 10 feet.10

Stipa pennata (Feather Grass). Silvery white, feathery plumes. 2 feet.05

Grevillea - Silk Oak

Robusta. Fern-like foliage. A fine decorative plant for house and greenhouse; it may be easily grown from seed. 4 feet. $\frac{1}{4}$ oz., 5c. \$0.10

Gypsophila - Babys Breath

Annuals and perennials that will flower the first season. All have graceful panicles of small flowers that are elegant for cut flower purposes, especially for bouquet work. Pkt.

Paniculata fl. pl. An extremely vigorous race, producing about 50 per cent of perfectly double pure white flowers	1-16 oz., \$1.00.	\$.20
Elegans Grandiflora Alba. Annual. An improved large-flowered white form	Oz., 25c.	.05
Paniculata. This perennial variety is useful for cutting and a fine border plant. Branches may be used for winter bouquet. 3 ft.	1/4 oz., 25c.	.05
Elegans Rosea. Soft pink	Oz., 30c.	.05
Muralis. 6 in. A lovely little rock or edging plant with rose-pink flowers .....		.10

Heliotrope - Cherry Pie

Delightfully fragrant. Fine for beds or pots. Half hardy perennial. Pkt.

Fine Mixed. 1/8 oz., 40c. \$0.10

Heuchera - Alum Root or Coral Bells

Sanguinea. Long stems of large crimson scarlet flowers. Splendid for cutting

.15

Hibiscus - Rose Mallow

Noble shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Very hardy. Suitable for garden and indoor use when cut. Pkt.

Crimson Eye. Creamy white flowers, large crimson center	\$0.10
Golden Bowl. Deep cream, with a velvety maroon center .....	.10
Moscheutos. (Rose Mallow.) Very showy pink flowers. ....	.10
Mixed Mallow Marvels. Grand assortment .....	.10

Hollyhock, Hardy Perennial

We give particular attention to this most popular flower. Seed sown in June or earlier will flower the following summer. Pkt.

Allegheny Mammoth Fringed. Very large flowers, finely fringed. Early sown seed will flower the first season. 7 feet. Mixed 1/4 oz., 40c; oz., \$1.25.	\$0.10
Double Maroon, Double Red, Double Salmon Rose, and Double Yellow. All at 1/4 oz., 50c.	.10
Newport Pink. Fine, pure pink, double variety, exquisite in shade; flowers very double 1/4 oz., 60c.	.15
Extra Choice Double Mixed. The seed offered under this head has been saved from the finest double flowers only; sure to produce satisfactory results. 1/4 oz., 40c.	.10
Single Mixed .....	.10

HONESTY. (Moonwort, Satin Flower.) Hardy biennial. Admired for its silvery pouches which are used for house ornaments, as they present a beautiful and rather curious appearance. 3 feet 1/4 oz., 25c.

IBERIS. (See Candytuft.)

Ipomoea

Heavenly Blue. (Rubra Caerulea). Beautiful, large, sky-blue flowers	1/4 oz., 30c.
Noctiflora. (Moonflower.) At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers Oz., 60c.	.10
Setosa. (Brazilian Morning Glory). Large leaves and bright rose-colored flowers	Oz., 30c.
Mixed. Various colors	Oz., 30c.

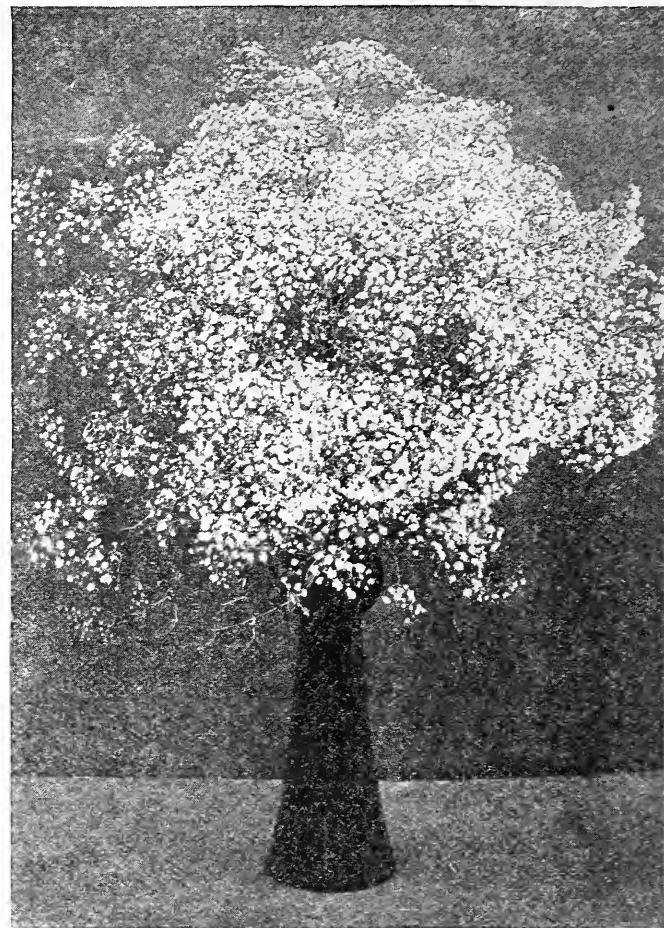
Kochia - Summer Cypress

Trichopilla. (Fine Summer Cypress.) Grows in a compact bush about 3 feet high. Cannot be excelled for a temporary hedge or screen

Oz., 25c.



Kochia—Summer Cypress.



Gypsophila.

Lavatera

The Lavateras or Annual Mallows are showy and effective plants covered during the entire summer with bloom. For large borders and cutting they are very desirable. Pkt.

Splendens Alba. Very large silky pure white flowers. \$0.10

Splendens Rosea. Very large bright rose flowers10

LANTANA, Finest French Mixed. Desirable half hardy perennial .....	.10
LARKSPUR. (See Delphinium.)	
LATHYRUS. Hardy Sweet Peas. Mixed—Oz., 40c.	.10
LINARIA. (Kenilworth Ivy.) Trailing plant for baskets and boxes.	
Cymbalaria. Lavender and purple .....	.10
LINUM Grandiflora rubrum and roseum. (Flax.) Free flowering and showy. The red and rose-colored forms of annual Flax. Successive sowings will produce a fine show throughout the season. 1 foot .. Oz., 20c.	.05

Lobelia

Tender perennials which flower first season. Adapted to edging, borders, baskets, etc. Pkt.

Crystal Palace Compacta. Fine for bedding. 1/8 oz., 50c. \$0.10

Gracilis. Light blue, trailing 1/8 oz., 40c. .10

Cardinalis. (Cardinal Flower.) A native variety, with spikes of brilliant scarlet flowers; fine hardy border plant; 3 feet 1/8 oz., 40c. .10

Lupinus - Lupine - Sun-Dial

These are old-fashioned favorites that thrive in almost any soil or situation. Same species are extensively used for forage and improvement of poor soils. The taller varieties are useful for the border, and dwarfers sorts for bedding. Pkt.

Polyphyllus or hardy sorts are very effective, spring-flowering plants, producing large spikes of pea-shaped flowers.

Polyphyllus roseus. Rose; immense spikes....Oz., 50c. \$0.10

Polyphyllus, Blue and White. Mixed. Large spikes; very thrifty Oz., 35c. .10

Polyphyllus. Blue

Polyphyllus Moerheimi. Fine hardy Lupine plants about 3 feet high, of vigorous growth, bearing long spikes of beautiful flowers. In color, a combination of light and dark pink 1/8 oz., 50c. .15

Perennial Varieties. Choice mixed Oz., 25c. .05

Annual Sorts. This class is a great improvement on the old form. Very showy and nice for cutting. 2 ft. Blue, Rose, White, Red and Sky Blue. Each, Oz., 35c. .10

Annual Sorts Mixed Oz., 20c. .05



Marigold.

Mimosa - Sensitive Plant

Podica. White with pink blossoms Pkt. \$0.10

Mimulus - Musk Plant

Meschamps. For borders and yellow flowers and fragrant foliage 10c

Morning Glory. See Convolvulus

Myosotis - Forget-me-not

Alpestris Royal Blue. Early blooming 10c

Alpestris White. Very fine 10c

Alpestris Mixed. Various colors 10c

Dissimilosa. Perennial. Clear blue. Early 10c

Palustris Semperflorens. Early blue 10c

Hybrid. Ruth Fischer. Hardy biennial. Pure forget-me-not blue. Fine for cutting and for hanging baskets. Can be forced successfully and owing to its extreme hardiness it is valuable for spring bedding in open ground 10c

Nicotiana - Tobacco

Affinis. Very showy, white sweet-scented flowers 10c

Sanderaea Mixed. Splendid variety of colors 10c

Ceratostigma - Cup Flower

Profusum. Biennial. The first year it sown early. Most desirable for borders and 10c

Nigella - Love-in-a-Mist or Devil-in-the-Bush

Demissum. A compact free-flowering plant with finely cut foliage and pale looking flowers and seedpods of easy culture, growing in any soil. For self-sowing annuals blue and white mixed, one foot 10c

Miss Jekyll. Formidable little blossoms, splendid for cutting. 10c

Nasturtiums

JOHNSON'S SUPERB DWARF MIXED.

One of the shortest collections of really bright-colored varieties now commonly found in mixtures. It contains many distinguished named kinds of superb color. Pkt. 10c; oz. 10c; 1 lb. 15c; 4 oz. 40c; lb. 51c.

JOHNSON'S SUPERB TALL MIXED.

This is a striking companion mixture to Johnson's Superb Dwarf Nasturtium offered above. This also contains the choicer colors in greatest variety. Pkt. 10c; oz. 10c; 1 lb. 15c; 4 oz. 40c; lb. 51c.

Ivy-Leaved, Mixed. Leaves delicate English-ivy form; flowers of delicate fringed form Pkt. 10c; oz. 10c.

Variegated-Leaved, Mixed. Profuse, even, without the flowers, a splendid effect. The flowers however are as beautiful as the preceding class. Pkt. 10c; oz. 10c; 4 oz. 60c.

TALL OR CLIMBING VARIETIES—Separate Colors.

Pearl (Moonlight). White Oz. 10c. \$0.10

Hemisphaericum. Orange Oz. 10c. 10c

Yellow (Luteum) Oz. 10c. 10c

Dark Crimson Oz. 10c. 10c

DWARF or TOM THUMB VARIETIES—Separate Colors. Pkt.

Bronze color. Distinct Oz. 10c. \$0.05

Golden Cloth. Golden yellow leaves; scarlet flowers Oz. 10c. 10c

King Theodore. Black, velvety; darkest of all Oz. 10c. 10c

Vestris. Salmon-color; extra large flowers in profusion; fine. Oz. 10c. 10c

Marigold

Splendid for beds or borders; the tall varieties grow about 1 foot high; the dwarf sorts, 10 to 14 inches. Pkt. 10c

AFRICAN. Tagetes Erecta.

Eldorado. Bright orange flowers, shaded primrose, 1 to 4 inches across, 1 foot Oz. 10c. \$0.10

Lemon Queen. Very large double orange yellow flowers. 10c

Erect, branching habit, 1 foot Oz. 10c. 10c

Orange Prince. A high-bred tall-growing variety bearing large, perfect double orange flowers of a rich deep golden orange color; the finest of all and very showy. 14 oz. 10c

Pride of the Garden. Dwarf and bushy. Double, large-sized flowers of various shades of yellow Oz. 10c. 10c

Tall Double African Mixed Oz. 10c. 10c

Dwarf Double African Mixed Oz. 10c. 10c

FRENCH. Tagetes Patula.

These are very bright and effective in ribbon lines or for edging beds of tall plants. 10c

Legion of Honor. Single, bright yellow edges with dark crimson spots or blossoms a good border. 10c

10c

Dwarf Double French Mixed Oz. 10c. 10c

Tall Double French Mixed Oz. 10c. 10c

Marvel of Peru

FOUR O'CLOCK. We make a specialty of this fine old-fashioned favorite. Give good soil and sunny location. Splendid Mixed hybrids. Oz. 10c

Matricaria

FEVERFEW. For beds and edges. Half hardy. Dwarf double white 10c

Erimia Golden Ball. Golden yellow, fine for pots 10c

Maurandia

Elegant twining climbing plants with handsome foliage and flowers 10c

Mignonette - Reseda Odorata

Pkt. Large Sweet Scented. Most satisfactory for garden Oz. 10c. \$0.05

Machet. Dwarf, very fragrant and fragrant Oz. 10c. 10c

Bismarchi. Immense red flowers and most delicious odor Oz. 10c. 10c

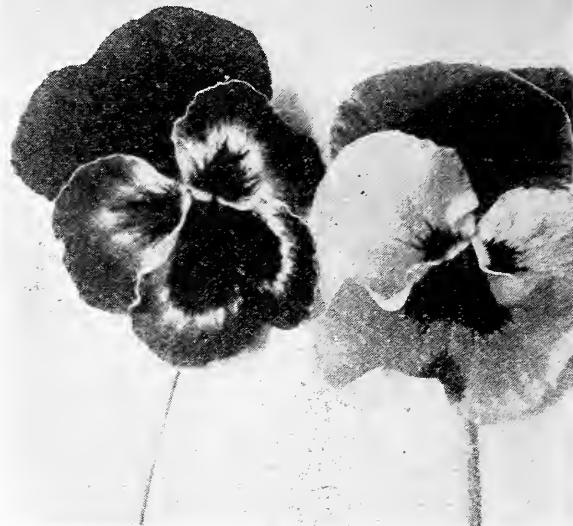
Defiance. Immense spikes which keep and every bud is opening Oz. 10c. 10c

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Johnson's Superb Pansies

HEARTSEASE.

The seed that we offer comprises the very finest strains obtainable, and will be found very superior to the quality usually offered. No expense has been spared in obtaining the very best strains from the best French, German and English sources. Pansy plants ready at proper season.

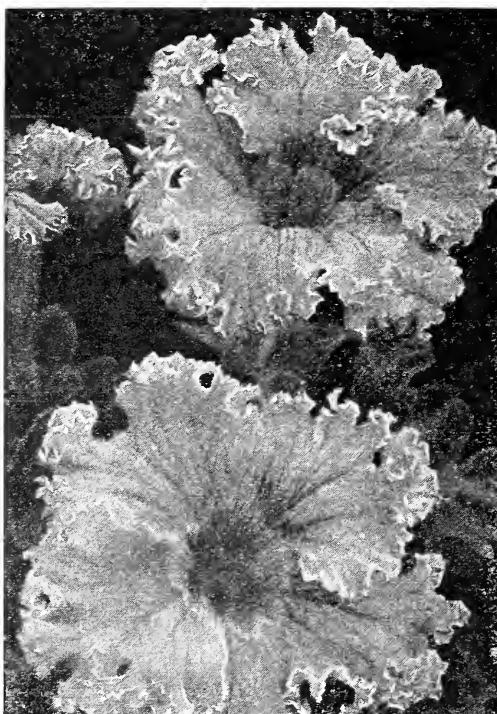


FINEST SHOW PANSIES. Enormous Flowers.

Johnson's Universal Mixture. This is the finest mixture possible to make as regards size, texture and colorings.....	1/8 oz., \$1.00; oz., \$7.00	\$0.50
Masterpiece. Giant curled and ruffled Pansies. Very beautiful, containing the richest combination of colors ...	1/8 oz., 75c.	.25
Bugnot's Superb Blotched. Flowers of enormous size. The shadings comprise tints of red, bronze, and brown not found in any other mixture	1/8 oz., 75c.	.25
Cassier's Giant. The largest-flowered class of blotched Pansies.	1/8 oz., 75c.	.25

GIANT PANSIES.

Giant Golden Queen. Pure yellow	1/4 oz., 75c; oz., \$2.00.	.15
Giant Atropurpureum. Deep royal purple	1/4 oz., 75c.	.15
Giant White. White, with dark eye	1/4 oz., 75c.	.15
Giant Snowflake. (Snow Queen or Candidissima.) Pure snow white	1/4 oz., 75c.	.15
Giant King of the Blacks. Intensely dark	1/4 oz., 75c.	.10
Giant Striped or Mottled. Curiously striped and flamed sort in rainbow tints	1/4 oz., 75c.	.15



Large-Flowering Fringed Petunias.

Portulaca - Sun Plant

These plants delight in light, dry soil in a sunny situation, blooming profusely during the hottest weather.

Pkt.

Single Finest Mixed. In numerous rich colors	Oz., 60c.	\$0.05
Double Mixed. Extra fine quality	1/4 oz., 60c; oz., \$2.00.	.10

Pyrethrum

Most attractive, hardy perennials, which have become very popular. Valuable border plants with many stems about two feet high, each surmounted with handsome flowers, in the brightest shades of rose, pink, crimson, etc.

Single Hybrids. This mixture contains the very largest flowering and choicest varieties ...

1/4 oz., 75c; pkt., 10c.

Golden Feather. (Aureum.) Dwarf growing variety, with bright yellow foliage; largely used for edgings and ribbon work. Usually treated as an annual. 3-4 ft. Pkt., 5c; 1/4 oz., 25c.

Double Roseum Hybrids. Lovely pink shades; splendid for cutting. Pkt., 15c.

Ulinosum. (Giant Daisy). A fine hardy perennial; grows 3 to 4 feet high, and from July to September is literally hidden beneath the multitude of large white daisy-like flowers. Pkt., 15c.

Pansies.

Giant Hortensia Red. Very fine	1/4 oz., 75c.	\$0.15
Giant Mixed. Extra fine blending of colors.	1/4 oz., 60c; oz., \$2.00.	.10

Petunias

We pay particular attention to our Petunia stock and are sure it is unequalled.

Giants of California Mixed. The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc.	1/4 oz., 75c.	\$0.25
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SINGLE GIANT FLOWERED PETUNIAS.

Johnson's Large-flowering, Fringed. An unsurpassed mixture from show flowers.	1/4 oz., 75c.	.25
Ruffled Giants. A distinct class with very large, deeply ruffled flowers.	1/4 oz., 75c.	.25

Ruffled and Fringed Giants. Exquisitely fringed and ruffled on the edges, and of immense size, in endless varieties of colors	1/4 oz., 75c.	.50
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SINGLE BEDDING PETUNIAS.

Howard's Star. Very free flowering. A blush pink star on purple ground	1/4 oz., 75c.	.10
Rosy Morn. Soft carmine pink with white throat	1/4 oz., 75c.	.10
Purple King. Royal in color and size; a wonderful introduction...	5 pkts., \$1.00.	.25

Hybrida, Single, Mixed	1/4 oz., 40c.	.10
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MARVELOUS DOUBLE PETUNIAS.

Never surpassed in beauty, size, form, or color, if ever equalled. They are fluted, frilled, ruffled, and pinked in many forms and colors. Pink, Pure White, Violet, Lavender, Mauve, Crimson, plain, and shaded with variegations in all these shades innumerable.

Pkt., \$1.00

Annual Phlox

For a splendid mass of color and a constant display, the Phlox Drummondii has every desirable quality for beds, edgings and massings.

Pkt.

Bright Rose. Most pleasing color; a profuse bloomer. 1/4 oz., 50c.	\$0.10
Brilliant Scarlet. Is especially showy in large beds or borders....	Pkt.

Prize Mixture of Large Flowering Phlox	1/4 oz., 50c.	.10
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Phlox Drummondii. The old-fashioned favorite variety. Mixed.

..... 1/4 oz., 30c; 1/2 oz., 50c.	.05
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Star-Shaped Phlox. Long, pointed petals, which give the flowers a star-like appearance; plants grow compact and dwarf. Mixed.

..... 1/8 oz., 20c.	.10
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Phlox, Hardy

Decussata. Perennial varieties mixed from a celebrated collection. Seed slow in germination and may not sprout in a year..

..... 1/8 oz., 40c.	.10
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Poppies

ANNUAL SORTS.

Tulip. Single. Bright scarlet....

..... 1/2 oz., 30c.	.05
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Shirley. Finest mixed. Very popular

..... 1/2 oz., 30c.	.10
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Mikado. Double. White with crimson stripe

..... Oz., 25c.	.05
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White Swan. Double; pure white

..... Oz., 25c.	.05
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Best Single Mixed

Oz., 25c.	.05
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Nudicaule. Orange red

..... 15

Nudicaule. Album

..... 15

Iceland. Finest mixed 1/4 oz., 20c.

..... 10

HARDY OR PERENNIAL POPPIES.

Oriental. Deep crimson. Very showy

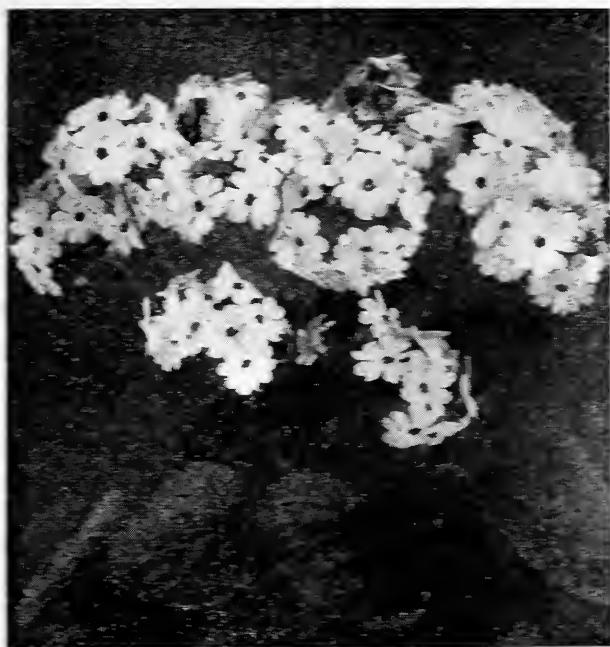
..... 1/4 oz., 20c.	.10
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Oriental. Mixed colors

..... 15



Perennial Phlox.



Primula Sinensis—Chinese Primrose.

Ricinus - Castor Oil Bean

Magnificent tropical-looking plants for lawns or large beds.
Pkt.
Zamboagensis. Finest of all. Gigantic leaves of various colors. 1 oz. 1 lb. 5 lb. \$6.00
Bourboniensis. Elegant green foliage. 1 oz. 1 lb. .75
Cambodjensis. Very dark, almost black. 1 oz. 1 lb. .75
Finest Mixed 1 oz. 1 lb. 1 lb. .75

Rudbeckia - Coneflower

Pkt.
Bicolor superba. Fine free-flowering annual variety, growing about 3 feet high, forming a dense bush and producing in great abundance on long stems its bright flowers. The disc is brown, the florets golden yellow, with large velvety brown spots at the base; very effective and useful for cutting. .75
Purpurea (Giant Purple Cone Flower). A most interesting hardy perennial, producing all summer large, showy reddish-purple flowers, about 4 inches across. 1.12

Salpiglossis

Pkt.
Fine Mixed. All colors. 1/2 oz. 1 lb. 5 lb. \$1.12

Salvia

Pkt.
Bonfire, *Clara Beddoe*. A Salvia of very compact growth, vivid scarlet. Very popular. 1/2 oz. 1 lb. \$1.12
Splendens. The old standard bright scarlet. 1/2 oz. 1 lb. 1.12
Early Dwarf Zurich. Grows only 12 to 15 inches high, with many fine erect slender spikes to each plant, borne well above its handsome foliage. Color brilliant scarlet; splendid bedding variety; earliest of all. 1.12
Patens. Bright blue flowers of large size, excellent for the border or greenhouse; height 3 feet. 1.12
Aurea grandiflora. A hardy perennial variety producing during August and September spikes of pretty sky-blue flowers 3 feet. 1.12
Parviflora. Light blue flowers in great abundance, good for cutting, forms a neat bush 3 feet. 1.12

Scabiosa - Mourning Bride

Pkt.
Very desirable for summer cut flowers.
Fine Mixed. All colors. 1/2 oz. 1 lb. \$1.12

Schizanthus - Butterfly Flower

The sight of a few well-grown plants would induce anyone to grow them. They are simply elegant for decorative use in pots or for cutting.

Pkt.
Hybrida grandiflora compacta. These are large-flowered with wonderfully beautiful color combinations in the same flower. 17 inches high. .75
Wisetonensis. Charming long and profusely-blooming hybrids. Excellent for greenhouse culture. .75
Mixed .75

Smilax

Pkt.
Every florist should grow this, as it is always in demand. Our seed is fresh. 1/2 oz. 1 lb. \$1.12

Stevia

Pkt.
Serrata. Free-blooming plants for summer or winter, bearing a profusion of fragrant white flowers, excellent for cutting 3 feet. 1/2 oz. 1 lb. \$1.12

Primula (Primrose), Half-Hardy Sorts

Useful for pot culture or for rockeries and borders. While hardy under favorable conditions of soil and moisture, it is prudent to protect them over winter particularly against saturation of soil by water. *Pkt.*
Aureola. A wonderful range of colors. 1 foot. .75
Japanica (Japanese). New Hybrids. Vigorous, large-leaved and about 18 inches high, throwing a tall flower-stem. Colors vary from cream-white to crimson and maroon, and of many pleasing shades. .75

Vulgaris (English Primrose). Yellow, fragrant. .75
Malacoides. A giant Baby Primrose from China. Flowers light green, deeply waved and fringed. 4 to 18 inches. Light Blue. .75

Malacoides alba. Fine white. .75
GIANT-FLOWERING FRINGED PRIMULAS. .75

Giant Mixed. Superb mixture. .75
Fimbriata, Single. Choice Mixed. .75
Fimbriata, Double. Choice Mixed. .75

STAR PRIMULAS.

Sinensis stellata. A beautiful new class. Very fine as pot plants or for cutting. 1 foot. Mixed. .75
OBCONICA PRIMULAS.

A good variety for pot-plants for decorative use blooming from autumn to spring. May also be used outdoors. *The Gigantea* is a giant type of higher perfection. *Pkt.*
Grandiflora alba. White. .75
Grandiflora lutea. Yellow. .75

Gigantea. Carmine. .75
Gigantea rosea. Rose. .75
Gigantea rubra. Red. .75

Gigantea. Mixed. .75

Stocks - Gilliflower

Pkt.
Cut-and-Come-Again Varieties. Excellent for cutting; very fine for outdoor planting. *Blood-red*, rose, dark blue, *Princess Alice* (pure white), yellow and mixed. .75
Large Flowering (Pen-Weeks Stocks). Particularly suited for pot culture, beds or edging. Habit is dwarf and bushy; 1 inch. 4 per cent double flowers. *Pink*, *Blood-red*, purple, *Parrot-yellow*, crimson, light blue, white and mixed. 1/2 oz. 1 lb. .75

Stokesia - Cornflower Aster

This popular hardy perennial bears all summer, large attractive flowers resembling semi-double asters; fine for cutting. 1 foot. *Pkt.*

Cyanea, *Lavender-blue*; *lavender*. .75
Cyanaea, *Mixed*. .75
Alba, *White*. .75

Sunflower

Pkt.
Minature. Best. Mixed. .75
Large Flowered. Fine double mixed. .75
Large Bushian. Tall mammoth-flowered. .75

Sweet William - Dianthus Barbatus

Fragrant hardy perennial for border and bedding. They flower richly in almost any soil. *Pkt.*

Pink Beauty. A rich deep rose shade. 1/2 oz. 1 lb. \$1.12
Scarlet King. New. An intensely deep rich pure scarlet, a grand acquisition. 1/2 oz. 1 lb. 1.12

Mixed. Single. All colors. 1/2 oz. 1 lb. .75
Newport Pink. Color watermelon pink, fragrant. 1/2 oz. 1 lb. .75

Thunbergia

Fast-growing annual climber, with pretty blue, white and orange flowers of various shades, with a dark center or eye. Adapted for vases, hanging baskets, trailers etc. *Pkt.*

Mixed. .75
Red. .75
Yellow. .75
Blue. .75

Tritoma - Red-hot Poker Plant

This splendid half-hardy perennial is also well known as *Scarlet Lychnis*. Has gorgeous spikes of scarlet bloom easily grown. Fine for late summer and fall. *Pkt.*
Uvaria grandiflora. Fiery orange. Flower-spikes large and showy. 1 to 4 feet. .75

Verbena

A very popular bedding plant. The seeds come true to color and plants are of surprising vigor compared with plants grown from cuttings. They should be planted at least 12 inches apart in good soil. Seeds should be soaked in warm water for an hour or two before sowing, cover about 1/4 inch deep and firm the soil well. *Pkt.*

Lucifer. A new color in the Mammoth type, with flowers of largest size of a deep cardinal-red. .75
Throughout, a very effective bedder. .75

Mammoth Defiance. Bright, rich scarlet, small leaves. .75
Mammoth Blue Varieties. Showy and distinctive. .75

Lutea. Bright yellow. .75

Mammoth Mayflower. Beautiful pink. .75

Mammoth Striped Varieties. Beautiful collection. .75

Mammoth Pure White. Large masses of pure white. .75

Mammoth Purple. Deep royal purple. .75

Johnson's Mammoth Mixed. 1/2 oz. 1 lb. 5 lb. \$1.12

Lemon Verbena (*Acleria Citriodora*). Every gardener should have a few plants of this fragrant favorite. Its pale green, delightfully scented foliage goes well with any flower. .75

Yucca Filamentosa - Adam's Needle

An attractive greenhouse shrub, grown for the decorative effect of its light green leaves. .75

Johnson's Selected Spencer Sweet Peas

The Spencer or Orchid-flowering sorts bear very large flowers, which are waxy or crinkled at the edges. Just as easy to grow as the common sort. The seeds should be sown early in spring; or, when the ground is not readily prepared in spring, fall sowing may be made, excepting the white-seeded varieties, which should not be sown until soil becomes quite warm and dry; or they may be started early in pots in greenhouse or frame, and planted out as early as the weather permits. White-seeded varieties, which are more tender than the dark-seeded, should be sown in sand to germinate and then transplanted in soil.

Pamphlet on Sweet Pea Culture, Free.

Prices of all varieties: Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

Apple Blossom Spencer. Bright rose standard with wings of very light primrose, flushed or tinted rose-carmine. Very large Spencer form.

Asta Ohn. Suffused lavender or tinted mauve, sometimes with pinkish tinge. Spencer form, large and wavy.

Countess Spencer. Bright clear pink, sometimes darker towards the edges; very large, open form; long stems. The first variety introduced of the Spencer type, and still considered one of the best.

Dobbies. Sunproof crimson.

Elfrieda Pearson. Flowers very large; color light pink on white ground, beautifully edged and shaded.

Flora Norton. Bright blue, with a slight tint of purple.

Hawlmarch. Salmon-pink.

Helen Lewis. A rich crimson orange, with wings of orange-rose or orange-salmon-pink. Large, fine Spencer form.

Hercules. Lovely rich pink of giant form and substance. A great improvement on Countess Spencer.

Illuminator. Bright glowing salmon tinged with orange.

Jean Ireland. Beautiful cream color edged with deep pink.

King Edward Spencer. Brilliant crimson scarlet; very large size, and of open form.

King Manoel. Giant chocolate-maroon self.

King White. The form, size, vigor, waviness and purity of color, give pre-eminence to its claim as the best Spencer yet introduced. Seed white.

Margaret Atlee. The best rich pink. A giant in size and a strong grower.

Margaret Madison. Opens a delicate azure-blue, developing to a clear, light lavender.

Miriam Beaver. A leading light cream pink sweet pea. Flowers exceptionally large and wavy, with the standard often duplexed or doubled.

Mrs. Hugh Dickson. Buff, apricot and rose. Flowers of the largest size, borne on long stems; mostly four blossoms on each stem.

Mrs. C. W. Breadmore. Buff ground, with rosy picotee edge.

Primrose Spencer. One of the best primrose, or cream and ivory sweet peas. Large, wavy petals, clear, distinct color. Seed white.

R. F. Felton. One of the best lavender Spencers, a mauve toned lavender. Splendid exhibition variety.



Miriam Beaver Sweet Peas.

Early Flowering Spencer Sweet Peas

Invaluable for growing under glass. They bloom in about three months from time of sowing. Each packet contains 50 seeds.

All varieties, pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

Early Morning Star. Deep orange scarlet or flame color in standard, with rich orange-pink wings.

Early Pink and White. Same color as the popular late blooming pink and white variety.

Early Heather Bell. A beautiful shade of rich lavender mauve.

Early Songster. Giant early lavender.

Early Yarrawa. Bright rose pink color.

Early Snowflake. One of the best white varieties.

Early Mrs. Spanolin. The finest black-seeded white variety.

Early Mrs. A. A. Skaach. Flowers bright, shell pink.

Pink Beauty. Soft rose pink on white ground.

Johnson's Grand Spencer Mixture

A liberal planting of this mixture will furnish a most magnificent display of Spencer types, including not only about all sorts now introduced, but many new ones not yet on the market. All shades of color, white, lavender, shades of scarlet, striped, purple and maroon. Gigantic Waved Spencer Type. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.25.

Johnson's Grandiflora Sweet Peas

All varieties, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

Blanche Ferry. Pink and white.

Dorothy Eckford. Pure white.

Janet Scott. Deep rich pink.

King Edward VII. Crimson scarlet.

Lady Grisel Hamilton. Pale lavender.

Prima Donna. Finest pink.

Johnson's Best Grandiflora Mixture.

Veronica - Speedwell

Splendid hardy plants which bear unusually long spikes of small, showy flowers during August and September. One of the best of the late flowering hardy perennials. Pkt., 10c.

Vinca

Pkt.

Very handsome, free flowering plants. Very useful.	
Rosea, Rose. Dark eye	$\frac{1}{4}$ oz., 40c. \$0.10
Rosea White, Rose eye	$\frac{1}{4}$ oz., 40c. .10
Pure White	$\frac{1}{4}$ oz., 40c. .10
Finest Mixed.	$\frac{1}{4}$ oz., 40c. .10

Wallflower

Fine free-blooming plants about 18 inches high, of many colors, and delightfully fragrant.	Pkt.
Single Mixed	$\frac{1}{4}$ oz., 20c. \$0.05
Double Mixed	$\frac{1}{4}$ oz., 50c. .10

Johnson's Choice Zinnias

New Giant Double. Flowers very double and of enormous size, attaining a diameter of $4\frac{1}{2}$ to 5 inches. Plants 3 feet. Giant Crimson, Flesh Color, Golden Yellow, Purple, Scarlet, Canary Yellow, Violet, Striped, White and Mixed. Each	$\frac{1}{4}$ oz., 75c.
Elegans. This we consider the best Zinnia for general use, forming bushy, compact plants not over 2 feet high, and bearing large perfect double flowers in good clear distinct colors	$\frac{1}{4}$ oz., 20c.
Curled and Crested Double. Very bright, handsome flowers with crested and curled petals. Fine varieties	$\frac{1}{4}$ oz., .75c.
Double Lilliput. Elegant, small, pompon flowers; very nice for beds, etc. 1 foot. Crimson, Lilac, Gold, Orange, Scarlet and White mixed	$\frac{1}{4}$ oz., 30c. .10
Double Dwarf. Very choice, small flowers, mixed	$\frac{1}{4}$ oz., 20c. .05

The Best Field-Grown Roses For Your Garden

We offer a very select list of Dormant Rose Bushes for outdoor planting in Hybrid Tea, Hybrid Perpetual and Hardy Climbing types. The following varieties, each listed in its class, we can especially recommend for either spring or fall planting.

CULTURAL DIRECTIONS.

When the rose beds are prepared, be sure they have good drainage, and that the soil is rich and sweet. Water well after planting. Prune them well; if you do not know how, ask us; we will be glad to tell you the right way. Keep them clean from insects. Bush roses can be set 1½ feet apart, climbing varieties from 4 to 6 feet apart, and standard Roses 3 or more feet apart. Cultivate freely throughout the summer and apply a light top dressing of bone-meal or sheep manure at least once a month throughout the growing season. Just before the ground freezes, in late November, draw the soil up against the plant in the same manner as you would hill up potatoes, and in December, when the ground is thoroughly frozen, cover with leaves, salt hay, or straw.

The stock offered here is good healthy 2-year-old stock, which will give an abundance of bloom the following summer if planted in the fall.

Hybrid Tea and Hybrid Perpetual Roses

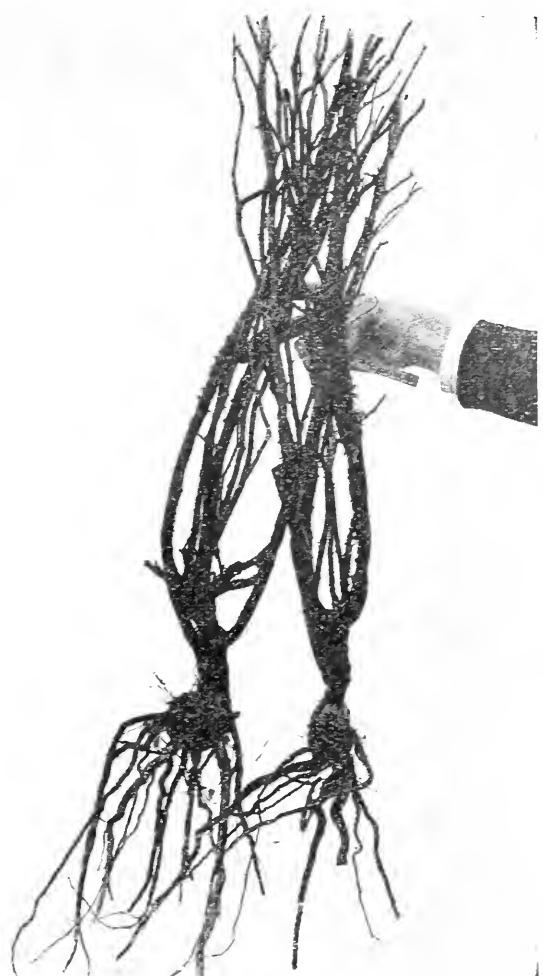
Prices, \$1.00 each; 6 for \$5.50; \$11.00 per doz.; 25 for \$22.00; 100 for \$85.00, except where noted.

Mme. Butterfly. A sport from Ophelia, retaining all the good qualities of its parent, but with deeper shadings of apricot and gold on the salmon-pink ground.

Los Angeles. New American Rose. The raisers describe this variety as by all odds one of the finest roses ever introduced. In color a luminous flame-pink, toned with coral and shaded with translucent gold at the base of the petals. In fragrance it is equal in its intensity to the finest Marechal Niel. The buds are long and pointed and expand into a flower of mammoth proportions. The growth is vigorous to a degree. The beauty of form and ever-increasing wealth of color is maintained from the bud until the last petals drop. This variety should be carefully protected during the winter. \$1.50 each; \$15.00 per dozen.



Los Angeles Rose.



Dormant Rose Bushes Ready for Shipment.

Alexander Hill Gray. Solid deep yellow.

Sunburst. Intense orange-copper and golden-yellow; buds long and pointed; very brilliant in effect. \$1.25 each; \$12.50 per doz.

Lady Hillingdon. A very free-blooming variety with attractive flowers of deep coppery-yellow; buds long and pointed.

Duchess of Wellington. Saffron-yellow, stained crimson.

Columbia. A very fine shade of pink.

Crusader. A rich, velvety crimson, exceptionally rugged grower.

Ophelia. Light salmon-pink, shading to yellow at base.

Killarney White. Snow white, fine for cutting.

Radiance. Carmine-pink, yellow at the base of petals.

Red Radiance. Dazzling; crimson-scarlet.

Hadley. One of the best for outside bedding. Long stems, flowers in great profusion; scarlet.

Madame Caroline Testout. Light pink; a profuse flowerer.

Frau Karl Druschki. Hardy, vigorous grower; bright green foliage. Largest and best of all the white Roses.

Paul Neyron. Deep, brilliant pink; very double and large.

SPECIAL OFFER OF HYBRID ROSES.
We will supply one strong two-year-old plant each of our collection of 16 Hybrid Roses, offered above. A magnificent collection for \$15.00.

Hardy Climbing and Rambler Roses

Paul's Scarlet Climber. A new variety. No other rose in any class can compare with it.

Climbing American Beauty. A healthy vigorous grower. Rose pink flowers of good substance.

Dorothy Perkins. Soft, shell pink. One of the best of the climbing varieties.

Dr. Van Fleet. Flesh pink; splendid for cutting.

Excelsa. Scarlet crimson; borne in large clusters. Strong two-year-old Field-grown Ramblers. Each. \$1.00; 6 for \$5.00; \$9.00 per dozen.

PLANT DEPARTMENT

Annual Flowering Plants FOR BEDS, PORCHES and WINDOW BOXES

DELIVERY, MAY TO JULY.

Our Bedding Plants are grown in greenhouses especially constructed to produce compact, stocky plants. These are not forced, but grown at a low temperature, and are of the hardiest possible character.

ALYSSUM, Dwarf White.	Sweet-scented.	100, \$7.00.	Doz. \$1.00
ANTIRRHINUM (Snapdragon).	For bedding and cut flowers these plants are ideal; our strain being particularly fine. White, Pink, Yellow, Red or Mixed	100, \$8.00.	1.00
ASTERS, Semple's Branching and Giant Comet.	White pink, crimson, light blue and dark blue; each color separate or all mixed	100, \$3.75.	.50
BACHELOR BUTTON (Cornflower), Centaurea cyanus.	Single mixed	.25	
	Double Mixed	.50	
BALSAM.	Mixed colors	.25	
CANDYTUFT, Empress.	White, potted	1.00	
CLARKIA, Elegans.	Double mixed	.50	
CALENDULA (Pot Marigold).	Orange King	.50	
CALLIOPSIS.	Finest mixed	.25	
CELOSIA (Cockscomb).	Finest mixed	.25	
COSMOS.	Single and double mixed; early and late flowering.		
	Single	.25	
	Double	.50	
EUPHORBIA (Snow-on-the-Mountain)		.25	
FOUR O'CLOCK (Marvel of Peru).	Mixed	.50	
GYPSOPHILA (Baby's Breath).	White	.25	
HELICHRYSUM (Straw Flower), Monstrosa.	Mixed	.50	
KOCHIA (Summer Cypress).		.25	
LABKSPUR.	Finest mixed	.50	
MARIGOLD.			
	Tall African, Mixed	.25	
	French Dwarf, Mixed	.25	
MIGNONETTE.			
	Machet. Dwarf white	.50	
	Defiance. Tall and fragrant	.50	
NICOTIANA, Affinis.	Pure white	.50	
PETUNIA, Large-flowering Single, Mixed		.50	
	Large-flowering Double, Mixed. See potted plants. Fringed Petunias. See potted plants.		
PINKS, Annual Garden.	Assorted colors	.50	
PHLOX.	Finest mixed colors	.50	
RICINUS (Castor Oil Bean).	Mixed	.50	
SALPIGLOSSIS (Painted Tongue).	Finest mixed colors. Potted	1.00	
SALVIA (Scarlet Sage).			
	Bonfire. Potted		
	Splendens. Potted	1.50	

SCABIOSA.	Finest mixed	.50
SWEET ALYSSUM.	See Alyssum.	
SWEET SULTAN (Centaurea Imperialis).		
	Blue	.75
	Finest Mixed	.50
JOHNSON'S NEW DOUBLE GIANT ZINNIAS.	This is a special strain of our own and we can offer the plants in mixed colors only	.50

Potted Annuals

PRICES SUBJECT TO CHANGE.

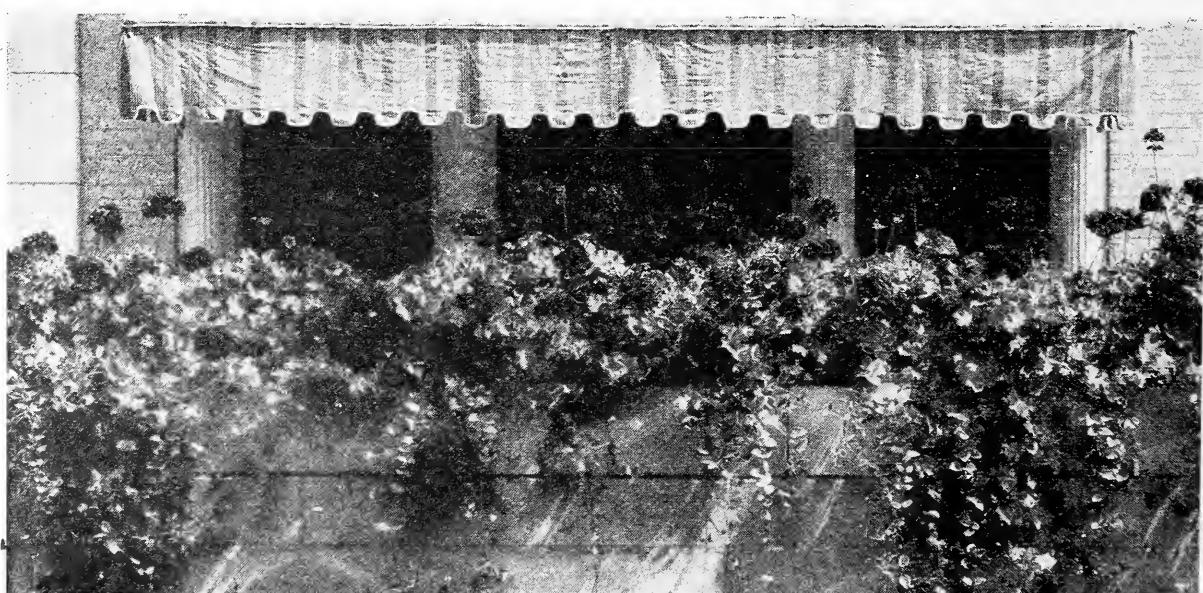
	Each	Doz.
ANTHERICUM. (Grass).		\$1.00
CANNAS		5.00
CALADIUM (Elephant Ear).		\$0.75
COLEUS. Assorted colors. Doz. \$1.00 to \$3.00		
CENTAUREA (Dusty Miller)		2.50
DRACAENA		.50
FERNS. Hardy		.50
GERANIUMS. Assorted colors		3.50
HELIOTROPE. Blue		2.00
PETUNIAS, Single Fringed		1.50
	Double Fringed	2.00
STOCKS. Finest mixed. Separate colors		1.00
SPRENGERI, Asparagus		.30
VERBENA. Finest mixed. Separate colors		.85
VERBENA. Lemon		.25
VINCA VINES. Potted		.25
		2.50

Annual Vines

	Each	Doz.
ENGLISH IVY. 2 year		\$0.75
JAPANESE HOP		.25
COBAEA SCANDENS		.25
MOONFLOWER		.15
		2.50

A Book On Annuals

This book is called "A Little Book of Annuals." You will find it offered on page 31.



Geraniums and Vines.

JOHNSON'S HARDY PERENNIAL PLANTS

The size mentioned in the description indicates the approximate height that the plant may be expected to attain at maturity. The months represent the season of bloom.

Prices of Perennials, except where otherwise noted. 15c each; \$1.50 per doz.; \$10.50 per 100.

ACHILLEA ptarmica. "The Pearl." Small double white flowers in open heads, blooming profusely all summer. 2 feet. 25c each; \$2.50 per doz.

ACONITUM napellus ('Monkshood'). Dark blue flowers hooded in dense heads from July to September. 3 feet.

Napellus album. Pure white-hooded flowers.

Napellus bi-color. Flowers blue and white.

Prices for above three varieties. 25c each; \$2.50 per doz.

AGERATUM, Hardy, Princess Pauline. Bright blue.

ALYSSUM saxatile compactum (Basket of Gold, Gold Tuft, Rockmadwort). An indispensable plant for the rockery or border, growing one foot high and producing in May masses of broad, flat heads of bright yellow flowers. 25c each; \$2.50 per doz.; \$18.00 per 100.

ANCHUSA ('Dropmore'). Beautiful rich blue. 5 to 6 feet. 35c each; \$8.00 per doz.

ANEMONE japonica.

Alba. Flowers pure white, with prominent yellow center. Flowers produced on long stems. 25c each; \$2.50 per doz..

AQUILEGIA chrysanthra (Golden Spurred Columbine). Flowers are a pure golden yellow with long spurs. Very fragrant and one of the best of the Columbines. June to September. 3 feet. 20c each; \$2.00 per doz. *Chrysanthra alba*. A white-flowering form of above. 20c each; \$2.00 per doz.

Long-spurred Varieties. A selected strain of immense flowers in all the brilliant shades. 20c each; \$2.00 per doz.

ARABIS alpina (Rock Cress). An excellent dwarf plant for rockwork borders or carpeting where massed color effect is desired, covered during its blooming season with snow-white flowers. 25c each; \$2.50 per doz.

HARDY ASTERS (Michaelmas Daisies). These are very handsome and useful. They flower at a time when few hardy plants are in bloom. 20c each; \$2.00 per doz.; \$15.00 per 100.

BLEEDING HEART. See *Dicentra Spectabilis*.

BOLTONIA latisquama. Very showy pink flowers, fine for cutting. August and September. 4 to 5 feet.

BOSTON IVY. (See Perennial Vines, page 47).

CAMPANULA (Bluebells).

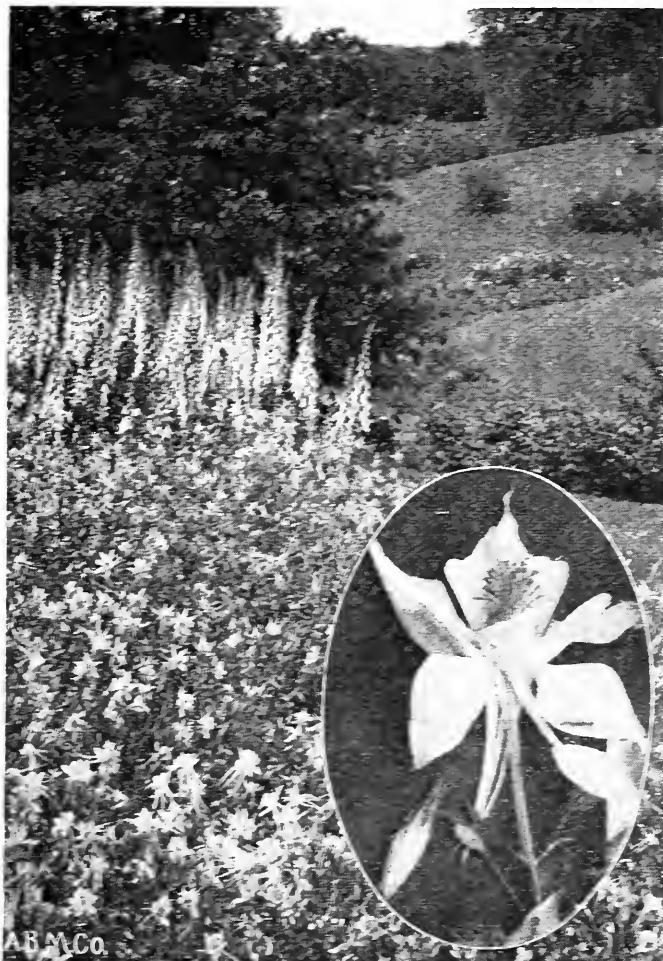
Media ('Canterbury Bells'). Our strain of Canterbury Bells is unexcelled. We grow them in separate colors, blue, pink, white and mixed. 25c each; \$2.50 per doz.

Media calycanthema (Giant Cup and Saucer Canterbury Bells). The large cup-and-saucer-shaped flowers are extremely handsome. Separate colors, blue, pink, white and mixed. 25c each; \$2.50 per doz.; \$18.00 per 100.

CHRYSANTHEMUMS (Hardy Pompons). All colors. 20c each; \$1.50 per doz.; \$10.00 per 100.

Large Flowered or Shaggy Varieties. All standard varieties and colors. 20c each; \$2.00 per doz.; \$10.00 per 100.

Small Flowered or Button Varieties. 20c each; \$1.50 per doz.; \$10.00 per 100.



Aquilegia and Digitalis—Columbine and Foxglove.

CINNAMON VINE. See page 50.

CLEMATIS. See Perennial Vines, page 47.

COREOPSIS lanceolata grandiflora. This is one of the finest of hardy plants, with large, showy, bright yellow flowers, produced in the greatest abundance from June till frost. As a cut flower they stand near the head among hardy plants. 25c each; \$2.00 per doz.

DAISY. Hardy (*Bellis Perennis*)—English Daisy. Large, double-flowering pink and white. 50c per basket.

DELphiniums (Hardy Larkspur). These are deservedly one of the most popular subjects in the hardy border; of easiest culture, perfectly hardy. They will establish themselves in almost any garden soil, but respond quickly to liberal treatment.

Belladonna. The freest and most continuous blooming of all. The clear turquoise blue of the flowers is unequalled for delicacy and beauty. 25c each; \$2.00 per doz.; \$15.00 per 100.

Formosum. Best dark blue. 25c each; \$2.00 per doz.; \$15.00 per 100.

A BOOK ON PERENNIALS.
This book is called, "A Little Book of Perennials." You will find it offered on page 31.

COLLECTIONS OF HARDY PERENNIALS

For customers who are not acquainted with the various varieties, we offer the following collections, in varieties strictly of our selection, in good, strong roots, that will, with little care, keep the garden gay with flowers from the time frost leaves the ground until late in autumn.

12 Varieties, our selection	\$1.50
25 Varieties, our selection	2.75
50 Varieties, our selection	5.00
100 Varieties, our selection	9.00



Perennial Garden.

JOHNSON'S HARDY PERENNIAL PLANTS—Continued.

Prices of Perennials, except where otherwise noted, 15c each; \$1.50 per doz.; \$10.50 per 100.

DIANTHUS deltoides (Maiden Pink). A charming creeping variety, with pink flowers. 20c each; \$2.00 per doz.
Alba. A pretty white flowering form. 20c each; \$2.00 per doz.

DICTAMNUS fraxinella (Gas Plant). A very showy border perennial, forming a bush about 2½ feet in height, having fragrant foliage and spikes of rosy-pink flowers with deeper veins during June and July, giving off on warm, sultry evenings a fragrant volatile oil, which ignites when a match is applied to the stem directly under the head of the flower. Requires a heavy, strong soil, and an open sunny position. 25c each; \$2.50 per doz.

DIELYTRA or **DICENTRA spectabilis** (Bleeding Heart or Seal Flower). An old-fashioned favorite; its long racemes of graceful heart-shaped pink flowers are always attractive; it is used largely for forcing, and is perfectly at home in any part of the hardy border, and especially valuable for planting in the shade. 50c each; \$5.00 per doz.

DIGITALIS (Foxglove). Old-fashioned hardy biennial plants with broad foliage and showy flowers, borne on spikes. June and July. 20c each; \$2.00 per doz.

DUTCHMANS PIPE. (See Perennial Vines, page 47).

FUNKIA undulata variegata (Plantain Lily). Green leaves margined and edged white. Fine for borders and edging. 30c each; \$2.50 per doz.; \$19.00 per 100.

Subcordata grandiflora. Large white flowers, borne in heads. Foliage green, pointed; sweet scented. 18 inches. August and September. 30c each; \$3.00 per doz.; \$22.00 per 100.

GAILLARDIA grandiflora. One of the showiest of perennials. Ray flowers ranging from red to yellow, dark maroon center. 3 feet. June to frost.

GEUM (Avens). Mrs. Bradshaw. Very large double flowers of the brightest scarlet color; an excellent variety. 25c each; \$2.50 per doz.

GYPSOPHILA paniculata (Babysbreath). Minute white flowers borne in enormous quantity in open panicles during summer months. Valuable for cutting.

HELENIUM autumnale superbum. Large, yellow flowers, with drooping rays borne in immense panicles. 6 to 7 feet. July to September.

Autumnale rubrum. A variety of the above with bright terra cotta red flowers.

HELIANTHUS giganteus (Hardy Sunflowers). One of our native varieties, with medium sized bright canary-yellow flowers in September and October. 6 feet. 25c each; \$2.50 per doz.

HEMEROCALLIS flava (Lemon Day Lily). Fragrant yellow flowers in June. Grows 2 feet high, with flowers on long stems for cutting. 25c each; \$2.50 per doz.

Fulva (Orange Day Lily). This old-fashioned flower is one of the hardiest. It will do well in full sun or in the shade of deciduous trees, and is not particular as to soil if not too wet. 25c each; \$2.50 per doz.

HIBISCUS. Crimson Eye. Large, white flowers, with a crimson-purple eye. August and September. 6 to 7 feet. 50c each; \$5.50 per doz. Extra large plants.

Militaris. Large, light pink flowers, crimson center. July to September. 5 to 6 feet. 50c each; \$5.50 per doz. Extra large plants.

HOLYHOCKS (Althea Rosea). One of the noblest of hardy plants. It is well fitted to break up ugly lines of shrubs or walls by its tall, stately growth. Deep cultivation, much manure and frequent watering in dry weather will secure fine spikes. 25c each; \$2.50 per doz.

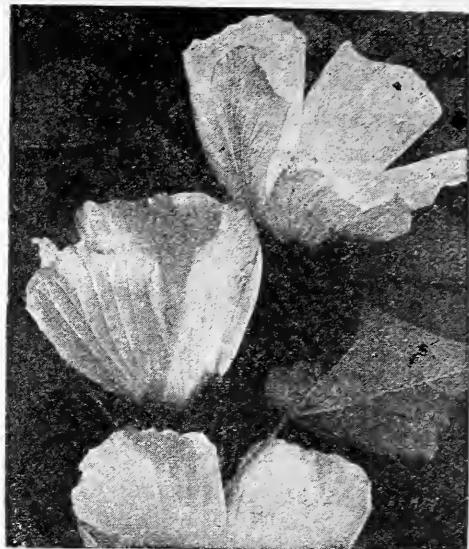
Double. Flowers form rosettes of lovely shades of yellow, crimson, rose, pink, orange and white. 25c each; \$2.50 per doz.

HONEYSUCKLE, Chinese Evergreen (Woodbine). Red, yellow, crimson, rose, pink, orange and white. 25c each; \$2.50 per doz.

IBERIS sempervirens (Hardy Candytuft). Most desirable dwarf plants, with evergreen foliage, which is completely hidden with dense heads of pure white flowers early in the spring. 8 to 10 inches. 25c each; \$2.50 per doz.



Iris Planting.



Hibiscus—Mallows.

Japanese Iris - Iris Kaempferi

The Japanese Iris usually flower after the German. They are much admired on account of their variety of color and large size. We offer eight of the finest distinct varieties that we know of. They have been selected by us from a large collection of best named sorts. Six-petal varieties are termed double; three petal varieties, single.

- No. 1. **Gekka-no-nami.** Pure white, double.
- No. 7. **Sofu-no-koi.** White splashed sky-blue; double; early,
- No. 12. **Kuma-funjin.** Purple overlaid with sky-blue; double; late.
- No. 15. **Uchiu.** Cerulean-blue veined white; double.
- No. 17. **Shippo.** Tyrian-blue, edged purple; feathered white; single; early.
- No. 19. **Kimi-no-megumi.** Oyster white, feathered and penciled rich violet; single; medium.
- No. 21. **Yezo-nishiki.** White, veined deep rich crimson; double; early.
- No. 23. **Oniga-shima.** Brilliant purple; double; late.
- No. 32. **Komochi-guma.** Violet; double; medium.
- No. 39. **Tsurugi-no-nai.** Bright ruby purple, deeply veined; double; late.
- No. 49. **Tsuru-no-kego-romo** (Crane's Feather). Pure white; three broad petals; late.

Prices on all Japanese Iris: 30c each; \$3.00 per doz.; \$20.00 per 100.

German Iris

(Fleur-de-lis or Blue Flags)

During May, the Irises rule supreme in the hardy border where they thrive in soil too poor to grow potatoes. The Irises are the "Flags" of the old-fashioned gardens. They are most effective when used as edging for shrubbery or garden border.

Named varieties, 35c each; \$3.50 per doz.; \$30.00 per 100.

- Midnight.** A rich deep purple; the finest in this color. A fine cut flower.
- King of Iris.** A striking novelty, with flowers of perfect form, the standards clear lemon color; falls deep satiny brown, with a broad border of golden yellow.
- Loreley.** Flowers perfect shape. Falls of a deep ultramarine-blue, more or less veined creamy white, with a border of sulphur-yellow. The standards are pale sulphur-yellow.
- Madame Chereau.** White, elegantly frilled with a wide border of clear blue. One of the most charming sorts.
- Shakespeare.** Standards bronzy yellow; falls maroon, reticulated yellow.
- Walhalla.** Standards lavender; falls wine-red. Very showy and attractive color combination.
- Ingeborg.** Pure white. Very large flower.

Siberian Iris

Sibirica Orientalis. Rich, violet-blue; very free and one of the best. June. 3½ feet. 25c each; \$2.50 per doz.; \$15.00 per 100.

Snow Queen. A new variety of great merit; forms an attractive plant; flowers snow white. 25c each; \$2.50 per doz.; \$15.00 per 100.

JOHNSON'S HARDY PERENNIAL PLANTS—Continued.

Six plants of a variety at dozen rate; 25 at 100 rate.

Prices of Perennials, except where otherwise noted, 15c each; \$1.50 per doz.; \$10.50 per 100.

LIATRIS pycnostachya (Blazing Star, or Gay Feather). Showy and attractive native plant, succeeding anywhere, producing large spikes of light rosy-purple flowers in July and August. 5 feet. 25c each; \$2.50 per doz.; \$15.00 per 100.

LILY-OF-THE-VALLEY. For outdoor planting in shaded places. Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. 25c per doz.; \$2.00 per 100. Stock cannot be shipped after May 15th.

LINUM perenne (Flax). A desirable plant for the border or rockery, growing 2 feet high, with light, graceful foliage and large blue flowers all summer. 25c each; \$2.50 per doz.; \$15.00 per 100.

LOBELIA (Cardinal Flower). 25c each; \$2.50 per doz.

LUPINUS (Lupins). These flower in May and June; are 3 to 4 feet high. In dry weather, water liberally to prolong the bloom.

Polyphyllus. Blue, white and pink. 25c each; \$2.50 per doz.; \$15.00 per 100.

LYCHNIS (Campion). All of the Lychnis are of the easiest culture, thriving in any soil, and this, in addition to their brightness, has brought them into high favor with lovers of hardy plants.

Chalcedonica. A most desirable plant, heads of brilliant orange-scarlet in June and July. Grows 2 to 3 feet high. 25c each; \$2.50 per doz.

MONARDA didyma (Bee Balm). Bright scarlet flowers in terminal heads. July to September. 2 to 3 feet. 25c each; \$2.00 per doz.

MYOSOTIS alpestris (Alpine Forget-Me-Not). Splendid for naturalizing on edge of ponds and streams; also for beds, borders, and rockeries.

OENOTHERA (Evening Primrose).

Pilgrimi. Large clusters of bright yellow. 18 inches. June to September. **Speciosa**. A rare, pure white variety. 18 inches. June to September.

ORNAMENTAL GRASSES. We carry a full line of all varieties. Prices on application.

PENTSTEMON (Beard Tongue). Most desirable perennials for either border or rockery. They like a friable loam, with a mixture of well-decayed leaf mold and sharp sand.

Barbatus torreyi. Spikes of brilliant scarlet; very effective; height 2 to 3 feet; June to August. 30c each; \$3.00 per doz.

PHLOX SUBULATA (Moss or Mountain Pink). An early spring-flowering type, with pretty moss-like evergreen foliage, which, during the flowering season, is hidden under the masses of bloom. An excellent plant for the rockery, or the border, and invaluable for carpeting the ground or covering graves.

Alba. Pure white.

Lilacina. Light lilac.

Rosea. Bright rose.

HARDY PHLOX, *Paniculata*. We can furnish all colors and varieties. 20c each; \$2.00 per doz.

PHYSOSTEGIA (False Dragon Head). One of the most beautiful of our midsummer flowering perennials, forming dense bushes 3 to 4 feet high, bearing spikes of delicate tubular flowers.

virginica. Bright, but soft pink.

Alba. Pure white; very fine.

PINKS, *Hardy Garden*. (Double). These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are splendid cut blooms.

Elsie. Bright rose with maroon center.

Essex Witch. Delicate pink, finely fringed.

White Reserve. Classed as an everblooming variety, very double and pure white.

Prices, 25c each; \$2.50 per doz.; \$15.00 per 100.

PLATYCODON (Balloon Flower or Japanese Bellflower). The Platycodons form neat branched bushes of upright habit, which bear a continual succession of flowers from June to October.

Grandiflorum. Deep blue-cupped, star-shaped flowers; 1 1/2 feet. 25c each; \$2.50 per doz.

Album. A white-flowered form of the above. 25c each; \$2.50 per doz.

POPPY, *Oriental*. Beautiful showy scarlet. 25c each; \$2.50 per doz.

PYRETHRUM uliginosum (Giant Daisy). Grows 3 to 4 feet high and is covered with large white daisy-like flowers, 3 inches in diameter, from July to September. 25c each; \$2.50 per doz.; \$15.00 per 100.

RUDBECKIA (Golden Glow). Flowers beautiful golden yellow and very double. June till fall. 6 to 8 feet.

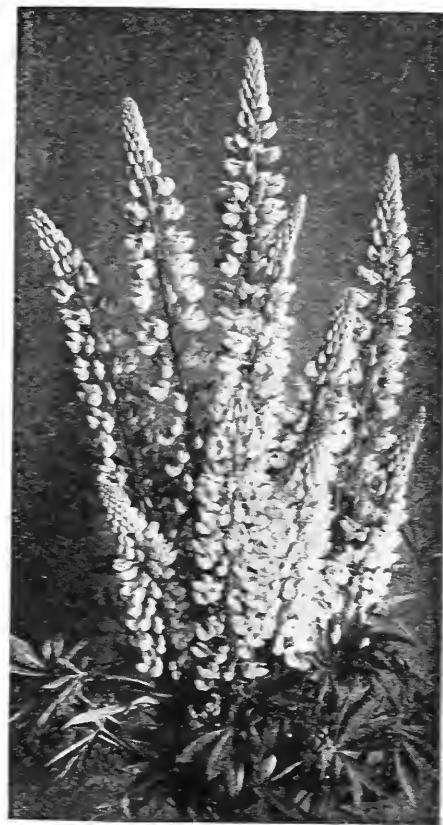
SCABIOSA. The flowers are gigantic, measuring frequently 3 inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. Average height 2 1/2 feet. Very free flowering.

Caucasicia. A delicate shade of lavender-blue, starting in flower in June and lasting well through the summer. 25c each; \$2.50 per doz.; \$15.00 per 100.

Caucasicia alba. White. Like the above except in color. 25c each; \$2.50 per doz.; \$15.00 per 100.

NEW HYBRID TEA ROSES

We offer a splendid up-to-date list of the above which are fully described and offered on page 43.



Lupine.

SEDUM spectabile. Handsome rose-colored flowers in immense heads, during late fall. 18 inches. Tall blooming. 30c each; \$2.50 per doz.; \$18.00 per 100.

SHASTA DAISY. Large, snowy-white flowers, 4 inches across; in bloom all summer and fall. 20c each; \$2.00 per doz.

STOKESIA (laevis) cyanea (Cornflower Aster). Large, deep blue flowers, from August to October. 20c each; \$2.00 per doz.

Cyanea alba. Same as above only pure white. 20c each; \$2.00 per doz.

SWEET WILLIAM (*Dianthus Barbatus*). Newport Pink Rich salmony-rose. 20c each; \$2.00 per doz.

Bright Scarlet. Effective color. 20c each; \$2.00 per doz.

Pure White. Very large. 20c each; \$2.00 per doz.

Mixed. Containing all colors. 20c each; \$2.00 per doz.

TRITOMA pfizeri (*Kniphofia uvaria grandis*). A superb variety, very free blooming. Color a rich brilliant orange; medium height; summer till fall. 35c each; \$3.50 per doz.

VALERIANA officinalis. Old-fashioned garden Heliotrope, lavender flowers June and July. 4 feet. 25c each; \$2.00 per doz.

VERONICA (Speedwell). The Speedwells are mostly natives of New Zealand, flowers being of a blue shade, varying to rose and dull white. They succeed in any garden soil in sunny situations. The low-growing forms are good rock plants. One foot July to August. 25c each; \$2.50 per doz.; \$18.00 per 100.

YUCCA (Adams Needle). The foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet, and are decked with cream-white, bell-shaped flowers in July and August.

Filamentosa. White, with reflexed flower bells. Extra strong plants. 35c each; \$3.50 per doz.; \$25.00 per 100.

Hardy Perennial Vines

	Each	Doz.
BOSTON IVY .....	.80	.60
CLEMATIS , <i>Paniculata</i> . White .....	.60	.60
Jackmani. Purple	1.25	
DUTCHMAN'S PIPE	1.50	
HONEYSUCKLE .....	.50	4.00
MYRTLE .....	.60	3.00
PACHYSANDRA .....	.25	2.00
POLYGONUM	1.00	
WISTARIA .....	.75	6.50

Hardy Ornamental Shrubs For Spring Planting

Almond - Double Flowering

Double Pink or double White. Bushy. 2 to 3 ft., \$1.50; 3 to 4 ft., \$2.00.

Althea, Hibiscus Syriacus - Rose of Sharon

Admiral Dewey. Double, pure white.

Duc de Brabant. Double red.

Paeoniaeflora. Double, clear pink.

Variegata. Variegated leaved; a dwarf variety with leaves margined silvery-white.

Prices of above four varieties: Each Doz.
2 feet \$0.75 \$ 6.00
3 feet 1.00 10.00
4 feet 1.25 12.50

Box-Barberry

The New Hardy Edging and Dwarf Hedge

	Each	10	100
2 year	\$0.40	\$3.50	\$25.00
3 year	.50	4.50	35.00
4 year	.60	5.00	50.00

Buddleia - Summer Lilac

Variabilis veitchiana. 2 year, 75c each.

Deutzia

Scabra Watereri. Beautiful single pink. Flowers in June.

Gracilis. Slender, often arching branches. Low, dense,

globular habit; flowers pure white in racemes.

Lemoinei. A vigorous grower and excellent for forcing; very desirable; early bloomer; panicles of pure white flowers borne on stout branches. Blooms in May and June.

Prices of above varieties: Each Doz.
2 to 3 feet \$0.90 \$8.50

Dogwood - Cornus

Red-twigg (C. alba). Shrub with erect stem, good clean foliage and bright, blood red branches; useful for shrubberies.

Silver-Leaf (C. mas elegantissima). One of the finest variegated shrubs; slow growing; leaves broadly margined with white, contrasting strongly with the deep red bark.

Price of above varieties: Each Doz.
2 to 3 feet \$0.90 \$8.50

Crab - Bechtel Double-Flowering

Shapely, compact tree with clusters of double, soft pink, fragrant flowers. 4 to 5 ft., extra fine, \$2.00; 5 to 6 ft., specimens, \$3.50 to \$5.00; 6 to 7 ft., specimens, \$6.00 to \$8.00; 7 to 8 ft., specimens, \$8.00 to \$10.00.

Euonymus - Strawberry or Burning Bush

Alatus (Winged Burning Bush). 2 to 3 ft., extra bushy, \$1.75; balled and burlapped, 5 to 6 ft., specimens, \$5.00 to \$7.00; 6 to 8 ft., specimens, \$8.00 to \$10.00.

Forsythia

Suspensa (Weeping Golden Bell). Long, graceful branches drooping to the ground and covered to the tips with handsome yellow trumpet-shaped flowers in April.

Suspensa Fortunei (Golden Bell). One of our best early-flowering shrubs. Before any tree or shrub shows a leaf they burst into glorious masses of golden yellow, drooping flowers.

Prices of above varieties: Each Doz.
2 to 3 feet \$0.75 \$7.50

Hydrangea

Paniculata. Larger growing bush than the well known Grandiflora, and blooms a month later; buds do not all open. Height 12 feet. 2-ft. plants 90c each; \$9.00 per doz.

Paniculata grandiflora. The well known hardy Hydrangea. Flowers are borne in dense panicles, pure white when opening, but later of a purplish-pink. \$1.00 each; \$10.00 per doz.

Japanese Quince - Cydonia Japonica

A shrub with spreading spiny branches. Glossy leaves; flowers are a deep scarlet, in clusters. The quince-shaped, golden yellow fruit remains a long time in summer. 3 feet. \$1.50 each.

Lilacs

COMMON VARIETIES.

Purple, White, Persian, White Persian. 2 feet. 75c each; \$6.50 per doz.

Villosa (S. villosa). Color light pink. Valuable for late blooming. 2 feet. 75c each; \$6.50 per doz.

Lonicera - Bush Honeysuckle

Morrowi (Japanese Bush Honeysuckle). 2 to 3 ft., 75c; 4 to 5 ft., specimens, \$1.25.

Prunus - Plum

ORNAMENTAL AND FLOWERING VARIETIES.

Piassardi (Purple-leaved Plum). 2 ft., \$1.00; 3 ft., \$1.25.

Triloba (Double-flowered Plum). 1 to 2 ft., \$1.00; tree form, 5 ft., specimens, \$6.00 to \$10.00.

Wild Plum. 5 to 7 ft., 75c.

Sambucus - Elder

Nigra aurea. 2 to 3 ft., 75c; 3 to 4 ft., \$1.00.

Nigra laciniflora (Cut-leaved Elder). 7 to 8 ft., \$2.00.

Racemosa. 3 to 4 ft., \$1.25.

Spirea

Anthony Waterer. Flowers scarlet-crimson, blooming profusely from June to October. Strong plants. 2 feet, 1 ft., 75c each; \$6.50 per doz., 1½ ft., \$1.00 each; \$9.00 per doz.

Bridal Wreath (S. prunifolia). One of the best and earliest blooming shrubs. Flowers double, white and very abundant along the stem. May. 4 feet. 2 ft., 75c each; \$7.50 per doz.

St. Peter's Wreath (S. Van Houttei). The finest and most satisfactory of all Spireas, either singly or among other shrubs. It forms a round and graceful bush, with arching branches, which in June are set from end to end with beautiful white blossoms. 2 ft., 60c each; \$6.50 per doz., 3 ft., 75c each; \$7.50 per doz.

Symporicarpos

The Coralberry, Indian Currant and Snowberry

Racemosus (Snowberry). 2 to 3 ft., 75c.

Vulgare (Coralberry or Indian Currant). 2 to 3 ft., 85c; 3 to 4 ft., bushy, \$1.00.

Syringa - Philadelphus

Golden (P. coronarius foliis aureis). A graceful variety, with bright yellow foliage. Height 5 feet. 1½ ft., \$1.25 each; \$12.00 per doz.

Mock Orange (P. coronarius). Shrub with upright branches; pure white, fragrant flowers are produced in clusters in June; foliage dark green. 6 feet. 3 ft., 75c each; \$7.50 per doz.

Large-flowered Mock Orange (P. grandiflora). A vigorous, upright variety, with large, showy flowers in June; it grows rapidly. Height 12 feet. 3 ft., 75c each; \$7.50 per doz.

Tamarix

Africana. 3 to 4 ft., 85c; 4 to 5 ft., \$1.00; 5 to 6 ft., \$1.25. Hispida aestivalis. 2 ft., 75c; 3 ft., \$1.00.

Viburnum

European High Bush Cranberry (V. opulus). One of the best shrubs for general planting. Red berries resembling cranberries remain until early winter. Height 12 feet. 2 ft., 75c; 3 ft., \$1.00; 4 ft., \$1.25, each.

Weigela

Candida. Flowers pure white, vigorous and fine habit. Height 8 feet. 3 ft., \$1.00 each; \$10.00 per doz.

Rosea. A strong, symmetrical grower, with good foliage; pink flowers in June. Height 6 feet. 2 ft., 85c each; \$8.50 per doz.

Hedge Plants

PRIVET, California (Ovalifolium). Plant 10 to 15 inches apart in double rows, alternating the plants. 18 to 24 inches high, 2-yr. plants, \$6.50 per 100; \$60.00 per 1000.

BARBERRY, Berberis Thunbergi. Of low, dense growth and spreading habit, growing extremely dense right from the base. Requires but little pruning. Leaves bright green. The branches in the fall are covered with bright red berries. Plant 8 to 12 inches apart in single rows. 12 to 18 inches high; heavy, 35c each; \$3.50 per doz.; \$32.00 per 100. 18 to 24 inches high, heavy, 55c each; \$5.50 per doz.; \$50.00 per 100.

Shade and Ornamental Trees

BIRCH (Betula), Cut-Leaved, Weeping. 5 to 6 ft., \$4.00 each.

CATALPA, Bungei (Umbrella Catalpa). Perfectly hardy and flourishes in almost all soils and climates and without pruning it makes a beautiful umbrella-shaped top. Leaves are large, glossy, deep green and heart-shaped, and lie like shingles on a roof, always making a symmetrical head. 5 to 6 ft., \$4.00; 3 to 4 ft., \$3.00, each.

ELM, American White or Water Elm. A large tree with spreading branches. Leaves deep rich green. Extensively planted. 6 to 8 ft., \$2.50 each.

MAPLE, Silver. If well taken care of, it makes a rapid growth, especially in sandy soil, and it is a favorite with many people. 6 to 8 ft., \$1.50; 8 to 10 ft., \$2.00; 10 to 12 ft., \$2.50; large specimens, \$3.50 to \$7.50, each.

MAPLE, Sugar. A good sized variety with wide-spreading branches and beautiful and abundant foliage. A rapid grower. A popular variety. 8 to 10 ft., \$3.00 each.

POPLAR, Norway. A rapid growing tree of great hardiness. Used for windbreaks, street trees and ornamental planting. Hardy and widely planted. 8 ft., \$1.50 each.

SYCAMORE, European. The best shade tree for all purposes. It grows moderately rapid on all soils and is longer-lived than most trees. More uniform and symmetrical in growth than almost any other tree. 8 ft., \$2.50; 8 to 9 ft., \$3.00; 10 to 12 ft., \$4.50; extra large trees, \$5.00 to \$9.00, each.

Dahlias

We have selected the best of each class. Price quoted includes free delivery. Because one Dahlia costs a great deal more than another, does not necessarily mean that it is a better Dahlia, but that it is scarcer. Some of the finest Dahlias are low-priced because they are plentiful.

We offer the following very carefully selected list of Dahlias. After careful trials by our Dahlia expert, we are sure all will be found highly satisfactory in every respect.

Decorative Type

Jack Rose. Brilliant crimson red, similar in shade to the popular "Jack" Rose; perfect for garden decoration and cutting. Each, 35c; doz., \$3.00.

Delice. One of the daintiest; almost transparent, yet of firm texture, perfect form and rich color. A warm tone of lilaceous pink, overlaid with white; the full center shaded a deeper hue and each petal point just nicked with silver. Each, 25c; doz., \$2.50.

Henry Patrick. Very fine white, tall growing, profuse flowerer. Each, 50c.

Bonnie Blue. The nearest approach to a blue Dahlia. Perfect, full, round and short quilled, a very desirable cut flower. Each, 50c; doz., \$4.50.

Eldorado. Rich yellow, tall growing and a free bloomer. Each, 30c; doz., \$3.00.

Eventide. A splendid flower of perfect form and large size, on long, stiff stems, and which for all purposes may be termed a white Dahlia, there being but a faint flush of delicate rose on the edge of the flower. Each, 50c; doz., \$5.00.

Thompson. Very large, full petaled, somewhat recurved; brilliant scarlet. Each, 20c; doz., \$2.00.

William Agnew. Rich, dazzling carmine-red. Each, 35c; doz., \$3.00.

Sylvia. Soft, pleasing mauve-pink, changing to white in the center; a fine cut-flower. Each, 35c; doz., \$3.00.

Remington. A fine shade of light pink; free bloomer. Each, 25c; doz., \$2.50.

Black Beauty. Very deep maroon, nearly black. Fine grown with other varieties. Each, 35c; doz., \$3.00.



Various Types of Dahlias.

Cactus Type

Attraction. Entirely distinct. Immense, formal flowers with broad petals coming abruptly to a point; color a beautiful lilac-mauve. Stems are very heavy, and the flowers held rigidly upright. Although of delicate color, this is one of the three most striking varieties we grow. 75c each; 6 for \$4.00.

Countess of Lonsdale. A peculiar but pleasing blending of salmon pink and amber, a color difficult to describe. Blooms freely under all conditions. Each, 30c; doz., \$3.00.

Kalif. A giant type of impressive character and brilliance. Its evenly disposed rays are broad at base with long, tubular quills; the center a noticeably compact tuft. Color vivid turkey red. 50c each; \$4.50 per doz.

Lawine. A beautifully formed flower of large size; pure white, with a suggestion of blush at center. One of the best White Cactus for cutting. 25c each; \$2.50 per doz.

Standard Bearer. Bright, pure scarlet. Flowers large, thick and full to center; of symmetrical and perfectly round form, petals semi-quilled. Extra productive and one of the best red cut flowers. 35c each; \$3.00 per doz.

Sequoia. Large, golden bronze; fine form, long stiff stems. A strong grower and profuse bloomer. One of the best. Each, 35c; doz., \$3.00.

Show Type

Mrs. Wellesley. An old time favorite; creamy white, heavily tipped solferino and crimson. A charming bowl-bouquet subject; unmixed. Each, 20c; doz., \$2.00.

Maude Adams. An early and very free blooming sort, on the order of Susan, but larger and less globular. Very dainty; white, with a slight lavender suffusion inclined to focus a center. Each, 35c; doz., \$3.50.

A. D. Livoni. Warm, rose-pink; perfect flowers, with quilled petals which nearly overlap at the ends. New kinds come and old kinds go, but Livoni can never be spared from a Dahlia list, selected for popular cut flowers. Each, 20c; doz., \$2.00.

Cuban Giant. (Giant.) Flowers 6 to 7 inches in diameter, dark, glowing crimson-shaded maroon. A tall, strong grower with projecting flower stems. Each 30c; doz., \$3.00.

Purple Penelope. Fine purple Penelope (variegated). Each, 20c; doz., \$2.00.

Red Hussar. Tall, bushy, upright; a handsome landscape variety, or for one color bouquets. Of rigidly formal show type; its medium sized flowers gleam like rubies at pleasing intervals, above a setting of very dark green, crinkled foliage; unrivaled among its fellows. Each, 20c; doz., \$2.00.

C. W. Bruton. Clear yellow, large flower; sturdy habit. Each, 25c; doz., \$2.50.

Princess Victoria. Large, round, fully quilled flowers of perfect form and soft, rich yellow color. This and the next variety are dependable, year after year, for a good show of unadulterated yellow. Each, 25c; doz., \$2.50.

Hector. A beautiful shell pink; you should not miss this in your collection. Each, 35c; doz., \$3.00.

Snowball. Blush white, ball-shaped, borne on strong stem. Each, 35c; doz., \$3.00.

Variegated Red and Yellow. Name speaks for itself. Each, 20c; doz., \$2.00.

Single Type

Wild Fire. Growth tall and compact, with ornamental foliage. Flowers are round and close petaled, of fair size; intense scarlet touched at center with gold. Each, 20c; doz., \$2.00.

Fringed Pink Century. Bright pink single flowers of good size, petals charmingly fringed. Each, 50c; doz., \$5.00.

Special Mixed

We are able to offer a mixture of the above-named varieties at a very special price. All these divisions are first-class, but owing to getting mixed in handling, the price is very low. Doz., \$1.50; 25 for \$2.75.

Johnson's Fragrant Peonies



A Border of Felix Crousse Peonies.

TWELVE FINEST HERBACEOUS PEONIES

Those of our customers who are fond of the old-fashioned "Pineys" of grandmother's garden will be even more delighted with the modern marvels which the skill of the hybridizer has given us. These are not any more difficult to grow than potatoes. Plant in good deep, rich soil so that the crown of the plant is about 2 inches below surface. Mailing weight, 16 ounces each root.

Albatre. Large, compact, globular rose type. Petals edged milk-white with fine line of lilac. Strong grower and free bloomer. \$1.00 each; \$10.00 per doz.

Dorchester. Large, compact rose type; pale pink; fragrant. Free bloomer. Dwarf. 75c each; \$7.50 per doz.

Duchesse de Nemours. Medium size. Sulphur-white. Free bloomer and strong grower. 75c each; \$7.00 per doz.

Edulis Superba. Deep rose-pink with lighter shadings. The earliest variety in our collection. 75c each; \$7.50 per doz.

Eugenie Verdier. Pale hydrangea-pink flecked with crimson. \$1.25 each; \$12.00 per doz.

Felix Crousse. Large; globular; brilliant red. Free bloomer. One of the best red Peonies. \$1.00 each; \$10.00 per doz.

Festiva Maxima. Very large; white. Vigorous grower. One of the best whites. 75c each; \$7.50 per doz.

Golden Harvest. Peach-blossom pink with creamy-white center. \$1.00 each; \$10.00 per doz.

Jeanne d'Arc. A choice variety notable for its exquisite perfume and other good cutting qualities. Guards pale lilac-pink, with full tufted center of sulphur-white. \$1.00 each; \$7.50 per doz.

La Tulipe. Very large globular flesh-pink, shading to ivory-white; center petals tipped carmine. \$1.00 each; \$10.00 per doz.

Mme. de Verneville. Broad sulphur-white guard petals and compact white center; touched carmine. \$1.00 each; \$10.00 per doz.

Mme. Duce. A very perfectly formed globular flower of a bright silvery pink, with salmon shadings and silvery reflex. \$1.00 each; \$10.00 per doz.

Mme. Leonie Calot. Delicate rose with lilac-pink center. Good grower. Medium tall. 75c each; \$7.50 per doz.

Richardson's Rubra Superba. Deep carmine or crimson. Fragrant. Good grower. Very late. \$1.00 each; \$10.00 per doz.

Large Flowering Cannas

For grouping on lawns, or for large beds, no plants are more effective. They bloom soon after planting. We offer the following choice varieties. Foliage green where not noted.

Canna tubers should not be put into the ground until the soil has become warm. They commence blooming in June and continue until late in September. Every shoot bears a flower, and these shoots are being constantly produced throughout the season.

All varieties, except where noted, 15c each; \$1.50 per doz.; \$10.00 per 100. Mailing weight, 3 oz. each; 2 lbs. per doz.

Allemannia. Rich red, yellow border. Height 5 feet.

City of Portland. 3½ feet. Distinct among the several really worth-while pink Cannas. A deep pink which does not fade during the hot weather. A free bloomer, with flowers borne well above the foliage. 30c each; \$3.00 per doz.; \$18.00 per 100.

Duke of Marlboro. An attractive deep brilliant crimson. 4 feet.

Eureka. The best white for massing, very free and of fine habit. 4½ feet.

King Humbert. Bronze foliage. Flowers of a brilliant orange-scarlet, with bright red markings. 5 feet.

Yellow King Humbert. Foliage dark green. Flowers a deep rich yellow, spotted and blotched with bright red.

Madame Crozy. Vermilion with gold border. 3½ feet.

Queen Charlotte. Rich pomegranate-red, bordered with golden yellow. 3 feet.

Richard Wallace. Beautiful golden yellow. 4½ feet.

Shenandoah. Rosy-pink flowers. Foliage rich reddish-bronze. 4 feet.

Venus. Color soft rosy-pink, with a mottled border of creamy-yellow. 4 feet.

Wintzer's Colossal. 5 feet. The largest-flowered Canna.

Vivid scarlet.

Wyoming. Brilliant orange. Purplish-bronze foliage. 6 feet.

Caladiums

Esculentum (Elephant-ear). Unequaled as a foliage plant. The leaves are shield-shaped, bright green, often measuring 3 feet or more in length and breadth. Very imposing in appearance when developed. Need very rich soil and an abundance of water. **Extra Large.** 11 to 12 inches in circumference. 40c each; \$4.00 per doz. **First Size.** 9 to 11 inches in circumference. 30c each; \$2.75 per doz.; \$17.50 per 100. **Second Size.** 7 to 9 inches in circumference. 15c each; \$1.50 per doz.; \$10.50 per 100. **Third Size.** 5 to 7 inches in circumference. 10c each; 90c per doz.; \$7.50 per 100.

Cinnamon Vine

Hardy climber with dark green foliage, and bearing a profusion of small white flowers of delicious fragrance. 10c each; 90c per doz.

Madeira Vine

A rapid-growing climber, bearing graceful racemes of fragrant white flowers; of great value for covering porches and arbors. 15c each; \$1.50 per doz.

Tuberoses

After careful selection we have greatly improved the Tuberose in dwarf habit of growth. Yields longer spikes than the old style, and produces large double flowers which are very highly perfumed.

Excelsior. Selected large bulbs. 10c each; \$1.00 per doz.; \$7.00 per 100, prepaid.

Double Pearl. Selected large bulbs. 10c each; \$1.00 per doz.; \$7.00 per 100.

Johnson's

Superb Named Gladioli

This is one of the best of the Summer-flowering bulbs. It is a flower anyone can grow, and is lovely enough to satisfy the most exacting. There is no limit to the range of color—pink, scarlet, crimson, yellow, white and a host of other colors.

Nothing is finer for vases than a bunch of Gladioli. The flowers will last for days, and the buds develop into blossoms after being cut.

Write for prices on Gladioli in lots of one thousand or more. We will carry in stock many varieties which we have not room to describe here.

	Doz	100
GLADIOLUS CULTURE. Free, on request, with any order.		
America. The finest for cutting. Color a beautiful soft flesh pink ...	\$0.60	\$4.00
Augusta. One of the most popular white varieties for cutting .....	.75	5.00
Baron Hulot. Rich, deep violet blue	1.25	9.00
Brenchleyensis. Vermilion scarlet .....	.60	4.50
Chicago White. Pure white with crimson carmine on midribs of three lower petals		
Empress of India. Rich velvety dark red with deeper shadings	1.00	7.00
Europa. The finest of all white sorts. Large individual flowers on long, strong spikes	1.75	2.00
Halley. Delicate salmon rose; immense flower, with a creamy yellow blotch on the lower petals, forming a perfect and large spike .....	.75	5.00
Kunderdi Glory. The ruffled Gladioli. Creamy white, striped crimson...	1.25	8.75
Klondyke. Clear yellow, blotched maroon .....	.75	5.00
Mrs. Francis King. A striking shade of light scarlet or flame color, a very effective and profitable cut flower variety .....	.60	4.00
Niagara. Delicate cream yellow lightly marked with rosy carmine in the throat. A very choice high grade variety	1.00	7.00
Panama. Has all the grand qualities of America, but of a rich rose-pink color	1.00	7.00
Peace. A beautiful and refined pure white lightly touched with carmine on the lower petals	1.00	7.00
Pink Perfection. A very beautiful apple blossom pink suffused with chamois	1.50	12.00
Princeps. Immense wide-open flowers, almost 6 inches across, of a rich, dazzling scarlet, marked with white in the lower portion, which serves to intensify the brilliancy of the scarlet	1.25	8.00
Schwaben. A fine strong growing variety with massive spikes of clear canary yellow, with small garnet blotch in throat .....	.95	7.25
Sulphur King. This splendid variety is generally conceded to be the finest clear yellow yet introduced. It produces extra long spikes well filled with its attractive flowers which are of good size 30c each.	2.00	12.50
Willy Wigman. Blush white, dark blotch, fine form .....	.95	7.25
Primulinus Hybrids. This new race is especially appealing for its light and beautiful shades, ranging from the softest primrose to the palest rose. Stems are very slender, but strong, while the flowers are small and closely set together making a very pleasing appearance, especially fine for cutting. ....	.65	4.00

JOHNSON'S SUPERB MIXED.

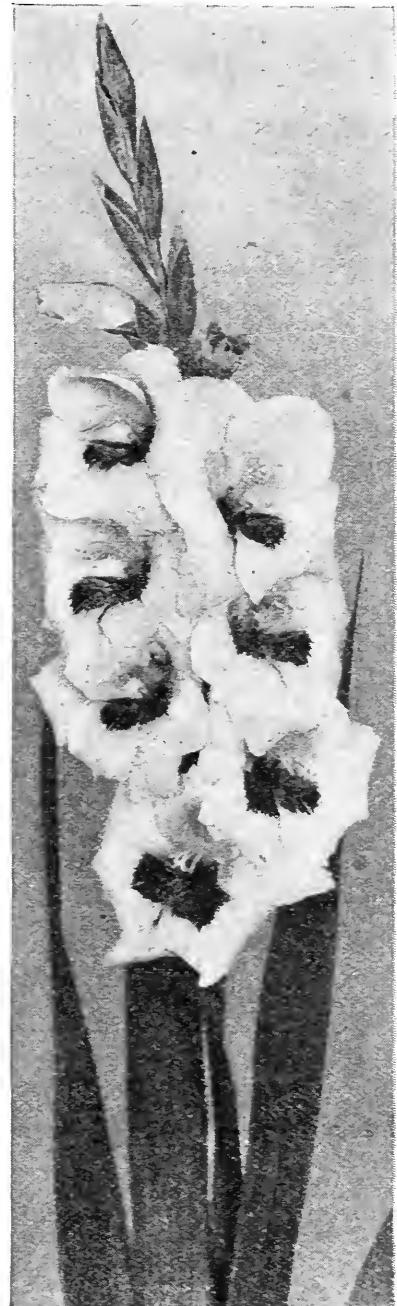
Composed of the choicest named varieties including also the Vilmorin kinds and Nanceanus sorts. The best possible mixture, and without an equal in America. Doz., 60c; 100, \$4.00.

Some New and Rare Gladioli

	Each	Doz.	100
Alice Tiplady. A grand large vigorous saffron-colored primulinus.			
Extra fine. Strong grower. Defects, none so far	\$0.20	\$2.00	\$15.00



	Each	Doz.	100
Evelyn Kirtland. The flowers are a beautiful shade of rosy-pink, darker at the edges, fading to shell-pink at center, with brilliant scarlet blotches on lower petals. Entire flower showing a glistening sparkling lustre	\$0.15	\$1.50	\$12.00
Flora. Beautiful deep golden-yellow, large pure flowers .....	.20	2.00	15.00
Herada. New variety and new color in Gladioli. Blooms of immense size on tall straight spikes. Massive in every way. Blooms are pure mauve, glistening and clear. Unusually striking and attractive.	.15	1.50	10.00
Le Marechal Foch. A new Holland variety—seedling of America—very delicate pink with enormous wide open flowers—very early; a good grower and heavy propagator .....	.20	2.00	15.00
Mrs. Frank Pendleton. The new sensational beauty, winner of awards and prizes everywhere. The petals show bright beautiful rose-pink on a pure white ground, contrasting strikingly with the deep rich velvety blood-red blotch on the lower petals. As showy as an orchid. The most perfect and delicate coloring is produced when the spikes are cut and carried indoors as soon as the first blossoms open. No grander variety in existence...	.10	1.00	7.00
Prince of Wales (The Gladiolus Beautiful). The color is superb, a gorgeous clear grenadine-pink or glistening salmon with slight apricot reflections, melting to a throat of the sweetest yellow, the tips of petals shaded darker or apricot-buff. It is truly the Ophelia Rose of the Gladiolus world. A novelty of great value. Eight or ten blooms open at one time on a long, graceful spike. Early .....	.15	1.50	10.00
War. Deep blood-red shaded crimson-black; very tall and conspicuous. The best Gladiolus of this beautiful shade of red. Try it .....	.10	1.00	8.00



The Speed Hedge Trimmer

For Easy, Fast and Economical Trimming

ELECTRICALLY DRIVEN.

The hard work is entirely eliminated and changed almost to play.

Any hedge, regardless of size or shape, can be easily and neatly trimmed by man or woman without fatigue, no previous experience being necessary, resulting in a better looking and more even hedge.

The expense of keeping a hedge closely trimmed has been heretofore sufficient to deter many people from planting them, the labor of trimming being slow, difficult and high priced.

The Speed Hedge Trimmer, wonderfully easy and of lightning rapidity in operation removes all the objections to maintaining hedges.

Grass, weeds and other growth can also be cut in corners and other places where it is impossible to use a lawn mower to good advantage.

Some owners have declared that since receiving and using the Speed Hedge Trimmer, their hedges do not grow fast enough, as they now rather like the little job of trimming them.

Price, \$35.00, delivered in Cleveland, or shipped f. o. b. Cleveland.

PLEASE NOTE.

We are Cleveland agents for the SPEED HEDGE TRIMMER and have been allotted a certain quantity so that if you contemplate having one of these machines we advise the immediate placing of your order so that you will not be disappointed when hedge trimming time comes.

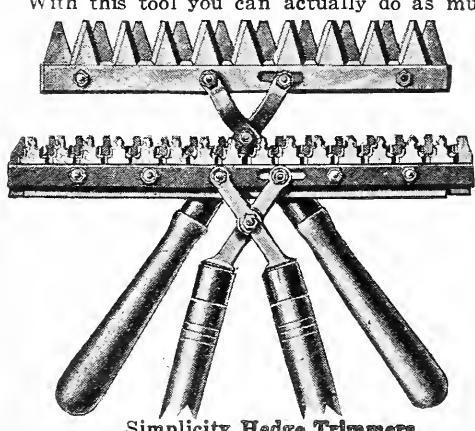
SIMPLICITY Hedge Trimmer

The SIMPLICITY HEDGE TRIMMER is the only trimmer successfully demonstrated and proved to be a wonderful advancement over the old style hedge shear.

With its perfect balance it really seems to work almost automatically, for, besides SIMPLICITY'S two-pound weight and twelve-inch width, it has 19 big, safe, keen teeth, cutting cleanly both when opening and closing.

SIMPLICITY HEDGE PRUNER AND TRIMMER.

With this tool you can actually do as much work in one hour as you formerly did in four hours with the old style pruner or lopping shears.



Simplicity Hedge Trimmers.



The Speed Hedge Trimmer. Electrically Driven.

SIMPLICITY cuts both opening and closing. Think of it! What a time and energy saver this is, with each complete movement of your hands you save 20 jolting, blistering and tiresome whacks of the old pruner or lopping shear way.

It seems to work almost automatically and you must actually try it to realize how easy it works.

With its perfect balance and only three pound weight, besides SIMPLICITY'S sixteen inch width, it has 31 big safe, keen fluted teeth, cutting cleanly both when opening and closing.

The SIMPLICITY PRUNER AND TRIMMER can also be used for trimming with excellent results. Many home users have chosen it to do all their trimming.

SIMPLICITYS are made of the Finest High Grade Carbon Steel and will give you long service and satisfaction.

PRUNER AND TRIMMER \$7.50
TRIMMER \$5.00

Sprayers and Dusters

Auto - Spray No. 1—Compressed Air

The Auto-Spray No. 1 is the strongest and most simple in its working parts of any compressed air sprayer. Two pumpings of about 15 strokes on the plunger will discharge the contents under high and constant pressure. After pumping, the operator has nothing to do but direct the spray. This sprayer is equipped with our patented Non-Clogging Nozzle.

USES: For spraying trees, shrubs, vines, field crops, greenhouses and poultry houses; for applying Paris green, arsenate of lead, bordeaux, lime and sulphur emulsions, disinfectants, cat-tle-fly oil, whitewash, cold water paints, etc.

CONSTRUCTION: It consists of a solution tank holding 3½ gallons. The tank is made of galvanized steel or heavy sheet brass, as ordered. (We strongly recommend the Brass, because it will not corrode with strong solutions, and will last indefinitely.)

The Sprayer is carried by a shoulder strap, and will cover ten times more area in a day than can be covered with the old style sprayers.



Auto-Spray No. 1.

Auto-Spray No. 1 B—Brass tank, with auto-pop	.....	\$9.50
Auto-Spray No. 1 D—Galvanized tank, with Auto-pop	.....	6.50
Two-row Attachment—For spraying two rows at one time	.....	1.50
Brass Extension Pipe—Two feet long	.....	.70
Brass Elbows—For spraying under vines, etc.	.....	.40
Brass Strainer—For straining solution	.....	1.20

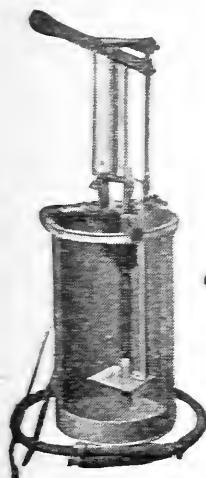
Sprayers and Dusters—Continued

PARAGON SPRAYERS

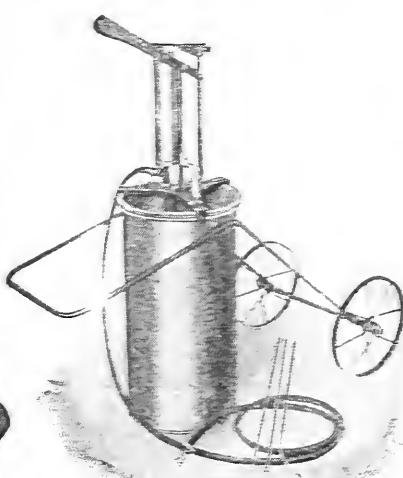
Paragon Sprayers are good investments. They pay large dividends. Better light, better sanitation, more cheerfulness, decreased light bills, decreased insurance, better and more fruit, are a few things that are easily and economically obtained by using the Paragon Sprayer.

These cuts show the simplicity of the pump, also the strainer and agitator. No other pump can show this feature. This pump is strong, simple and durable. Can easily be handled by one man.

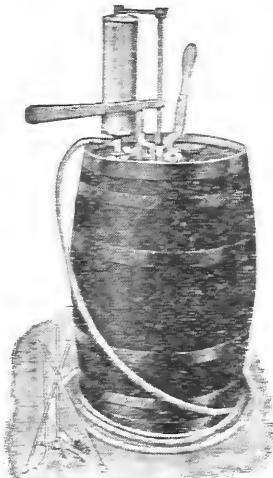
THE PARAGON SPRAYER WILL DEVELOP A PRESSURE OF 150 TO 150 LBS.



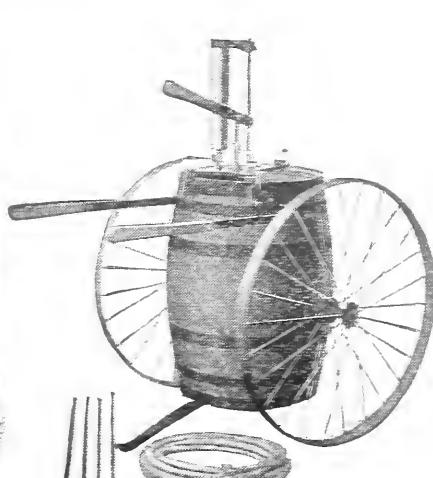
Paragon Sprayer
No. 1.



Paragon Sprayer No. 3.



Paragon Sprayer No. 5.



Paragon Sprayer No. 4.

PARAGON SPRAYER NO. 1

Price, \$17.50—Capacity, 6 gallons.

EQUIPMENT: 5 feet Special Spray Hose, 5 feet Pipe, 1 Mist Nozzle, 1 Steel Cap for Mist Nozzle, 1 Straight Spray Nozzle.

PARAGON SPRAYER NO. 3

Price, \$25.00—Capacity, 12 Gallons.

EQUIPMENT: 10 feet Special Spray Hose, 7 1/4 feet Extension Pipe, 1 Mist Nozzle, 1 Steel Cap, 1 Straight Spray Nozzle.

PARAGON SPRAYER NO. 5

Price, \$45.00—Capacity, 50 Gallons.

EQUIPMENT: 25 feet Special Spray Hose, 10 feet Extension Pipe, 1 Three-Way Spraying Nozzle, 1 Single Spraying Nozzle.

PARAGON SPRAYER NO. 4

Price, \$39.50—Capacity, 25 Gallons.

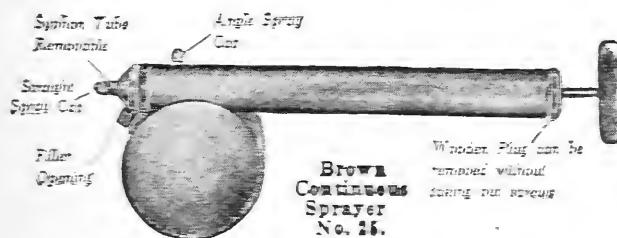
EQUIPMENT: 20 feet Special Spray Hose, 10 feet Extension Pipe, 1 Mist Spray Nozzle, 1 extra Steel Cap, 1 Straight Spray.

Hand Sprayers



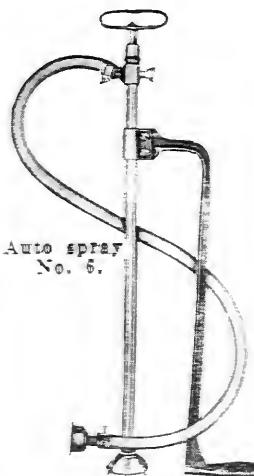
AUTO-SPRAY NO. 22. (Shown above.) For all kinds of small spraying and disinfecting. This atomizer is made of heavy tin and holds one quart. Price, 60c.

Brown Continuous Sprayer No. 25



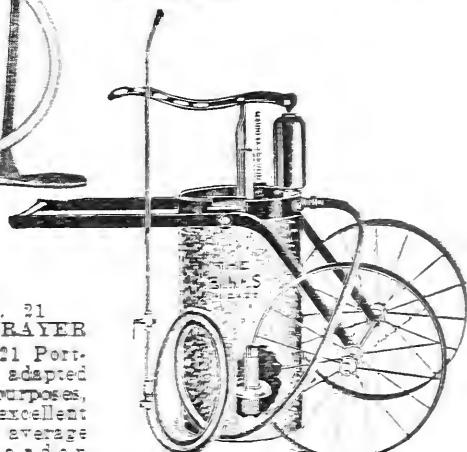
Sprays by oils and disinfectants as well as the regular spraying materials. An extra nozzle is furnished for spraying under side of the foliage.

Each
Brown's Sprayer No. 25-A—One quart, all tin \$1.00
Brown's Sprayer No. 25-B—One qt., tin pump, galv. tank 1.25
Brown's Sprayer No. 25-C—One qt., tin pump, brass tank 1.50
Brown's Sprayer No. 25-E—1/2 gal., tin pump, brass tank 2.00



Auto spray
No. 6.

AUTO-SPRAY NO. 6, as shown herewith is probably the most powerful bucket pump manufactured. This sprayer can easily generate a pressure of 1000 lbs. The pump sprays perfectly on both the up and down strokes; 3 1/4 feet of high-pressure 3/8 inch hose, brass fine spray nozzle, brass solid-stream nozzle. Mail weight 7 pounds. Complete, \$5.50. 2 ft. Brass extension, 50c. Mail weight, one pound.



BINKS' NO. 21 PORTABLE SPRAYER

Our Style No. 21 Portable Sprayer is adapted for all spraying purposes, and is a most excellent machine for the average grower, truck-garden owner, or suburban home. The machine is equipped with a well-made reinforced 12-gallon tank, large steel wire wheels with 1 1/2 inch tires, and is easily wheeled about. The pump is constructed of the best material throughout, and equipped with our patented agitating device which cleans suction strainer at every operation of the pump handle, making clogging impossible. Price, \$25.00.

Binks' No. 21 Portable Sprayer.

Miscellaneous Garden Requisites

We will mail any of the following articles that we can, provided postage is remitted with order. Some articles will be postpaid and you will find them so marked. Prices quoted are subject to change without notice. If you wish articles not listed on the following miscellaneous pages, write us, we will gladly procure them for you if they are not in stock.

Prices. In the present re-adjustment period prices are inclined to drop. If there are any reductions from prices quoted in this catalog we assure our customers they shall have the advantage.

ASPARAGUS BUNCHER. Philadelphia No. 1. Without knife. Makes bunches 3 to $3\frac{1}{2}$ inches in diameter. Each, (2 lbs.), \$3.50.

ASPARAGUS or CELERY TAPE. Red or Blue in spools of 1,000 yards. Fast colors. Makes bunches very attractive for the best trade. Price subject to change. Per spool, (2 lbs.), \$3.00.

APRONS, GARDENERS' RUBBER. Heavy, \$2.50. Lighter weight rubber, (1 lb.), \$1.25.



ASPARAGUS KNIFE or LAWN WEEDEER. Drop forged blade. Birch handle, 15 inches long. Weight, 1 lb. Each, 65c.

BAMBOO CANES. (See Stakes.)

BILL HOOKS, ENGLISH. For trimming shrubbery. Weight 4 lbs. Price: Short handle, \$4.50; long handle, \$6.50.

BELLOWS.

Sulphur. For applying sulphur, Hellebore, etc., to plants. Price, \$4.00.

Woodason's Double Cone Powder. For dusting plants with dry powders for insects and fungus. This double cone bellows can be held in any direction without wasting powder, as it regulates its own supply, and does not clog up, dusting under the leaves as well as on top. The best article ever invented for destroying insects in the conservatory, garden, orchard or field. Price, \$6.75.

Woodason's Single Cone. Large size, Price, \$4.75; small size, (for conservatory and home use). Price, \$3.50.

CORN KNIVES. For cutting down cornstalks. Each, 90c.



Dibble.

DIBBLE. Iron handle; steel point. Each, 60c; 5 or more at 55c.

DUSTERS, ACRE-AN-HOUR. For distributing insecticides, etc. $2\frac{1}{2}$ quarts. Each, 75c.

DUSTERS. Vermorel. Single. Each, \$20.00; Double. Each, \$25.00.

EDGING KNIVES or TURF EDGERS. American. Steel blade. Hard wood handle. Each, \$1.00.

FIBRE WARE. (See Pots and Saucers.)

FLOWER POTS. (See Pots, page 55.)

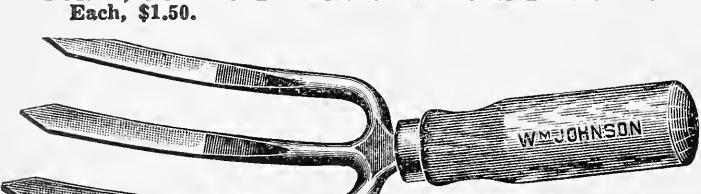
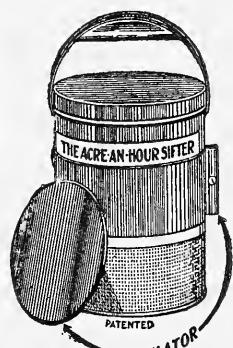
FLOWER BOXES, "SAVO." All metal; self watering. (See page 57.)



Potato Fork or Manure Drag.

FORKS, WEEDING. Gem. Each, 50c.

FORKS, POTATO DIGGING or MANURE DRAG. 4 tines. Each, \$1.50.



Spading Fork No. 300.

FORKS, SPADING. No. 300. Well made. Length over all, 11 inches. Each, 55c.

FORKS, SPADING. No. 400. Finished in red enamel. Hardwood handle with brass ferrule. 4 tines. Length over all, 10 inches. Each, 35c.

FORKS, MANURE. Strapped ferrules. 6 tines. Each, \$2.25.



Spading Fork, No. 400.

FUMIGATING LAMPS. For vaporizing Nicotine. 75c.

GARDEN LINE. White, glazed. Superior to Italian Hemp garden line. 48 feet weighs 6 ounces. 48 feet, 75c.

GARDEN LINE REELS. With stake. \$2.50.

GLASS CUTTER. No. 1, Turret Head, Tested. (4 oz.) Each, 50c.



GLASS CUTTER. Red devil. Each, 25c, postpaid.

The Peerless Glazing point is the only perfect point known.

The latest improvement is that both points are beveled on top and will hug close

to glass when driven.

Three sizes, No. 1, for small single thick glass; No. 2, for medium double thick glass; No. $2\frac{1}{2}$, for large double thick and

Skylight glass. Price, per 1,000, 75c; postpaid, 90c. 5,000 \$3.50, by express.

GRAFTING WAX. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 30c; lb., 50c.

GRASS EDGER, AMERICAN. 9-inch blade, \$1.00.

GRASS HOOKS. (See Sickles.)

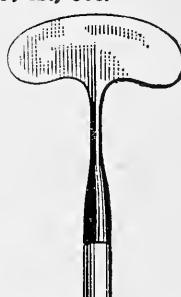
HANGING BASKETS. Galvanized wire.

8 inch, 35c; 10 inch, 45c; 12 inch,

60c; 14 inch, 75c; 16 inch, 85c.



Combination Draw Rake and Hoe.



Grass Edger.

HOES.

Baby Warren. For transplanting, making and covering drills in flower beds, and weeding. Excellent for scraping young trees. $4\frac{1}{2}$ in. blade \$0.55

Combination Draw Hoe and Rake. with 5 foot handle, $4\frac{1}{2}$ inch cut, 4 teeth90

Corn. 7 in. blade, $2\frac{1}{2}$ in. deep 1.00

Draw or Field. 6, 7 and 8 in. blades 1.00

Ladies' size. 5 in. blade75

Magic Weeder Hoes. Strong and durable, spring teeth.

Light and easy to use; very popular. **Short Handle**, 3 teeth, 20c; 4 teeth, 35c; 4 teeth, $1\frac{1}{2}$ in. blade on back for use as a hoe, 45c. **Long Handle**, 4 teeth, 3 in. blade on back, \$1.10; 4 teeth only 1.00

Pronged Hoe or Potato Fork. 6 heavy round tines, \$1.50 5 heavy round tines 1.35

Pull Easy Hand Cultivators. Malleable iron and steel frame and teeth; arms easily adjustable to any width row. 18 in., 9 teeth, 4 ft. handle 1.50

Scuffle or Push Hoe with Handle. American, 9 and 10 in., 90c; 7 and 8 in., 75c; 6 in70

Warren. Heart-shaped Hoe; 5 foot handle 1.25

HOTBED MATS. (See Mats.)

HOTBED SASH. Unglazed. Four rows glass 8x10 inches square. Each, \$3.00. Cypress, knock down, five for \$15.00.

Miscellaneous Supplies—Continued.

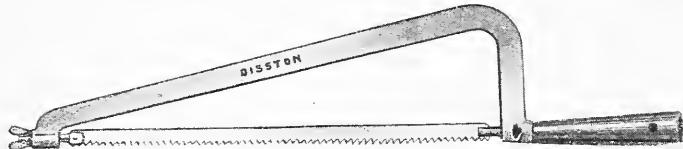


DISSTON PRUNING SAWS.

No. 111. Malleable iron handle. 10 inch blade; adjustable. 2 lbs. Each, \$2.50.



No. 11. For sawing by hand or attached to a pole. Adjustable for different angles. 2 lbs. Each, \$2.00.



No. 10. Pole saw. Socket handle. Adjustable blade. Without pole. 2 lbs. Each, \$2.50.

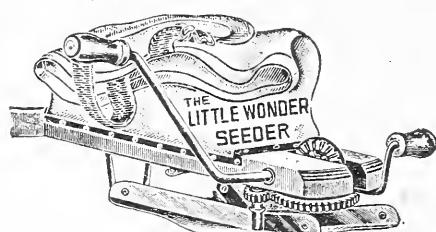


No. 25. Flat steel frame. Beech handle. Blued steel blade. 14 inch blade. 2 lbs. Each, \$2.25.



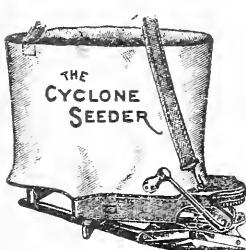
YORK STATE PRUNER. Beech handle. Narrow steel blade 20 inches long. 2 lbs. Each, \$2.50.

LITTLE WONDER SEEDER. Improved, with crank. Heavy duck hopper with shoulder strap, slant feed board, sheet steel oscillating feed plate, double flange distributing wheel, automatic feed adjustment. Each, \$2.00.



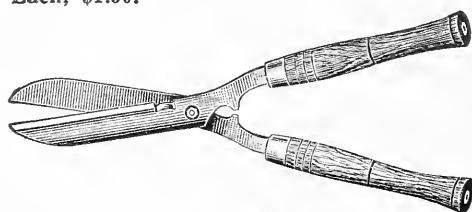
CYCLONE SEEDER.

A machine which should be on every farm. It is so simple in construction that a boy can use it. It is light, strong and durable, and with ordinary care will last a lifetime. It will sow timothy, clover, millet and grass seeds of all kinds, turnip, corn and all other seeds perfectly even, and any desired quantity from one quart to three bushels can be sown per acre by following the simple directions on every machine. Price, \$2.00, not prepaid. Weight, 5 lbs.



SHEARS—PRUNING, HEDGE AND BORDER.

SHEARS, HEDGE. No. 100L. For ladies' use. 6 inch blade. Each, \$1.50.



Hedge Shears.

SHEARS, HEDGE. No. 100. Forged solid steel. Steel Ferules. 8 inch, \$2.50; 9 inch, \$3.00; 10 inch, \$3.50.

SHEARS, HEDGE. No. 101. Notched with knife edge for cutting heavy growth. Each, 8 inch; \$3.00; 9 inch, \$3.50.

SHEARS, BORDER. No. 104. Without wheel. Forged solid steel. 36 inch handles. Each, 8 inch, \$5.25; 9 inch, \$5.50; 10 inch, \$5.75.

SHEARS, BORDER. No. 105. With wheel. Forged solid steel. 36 inch handles. Each, 8 inch, \$5.50; 9 inch, \$5.75; 10 inch, \$6.00.



Grass Border Shears, No. 105.

SHEARS, LOPPING. Rhodes' Double Cut Wood Handled Pruner. The most powerful pruner made. Made in three lengths, 20 inch, 26 inch and 30 inch. Each, any length, \$5.00. Shipping weight about 5 lbs.

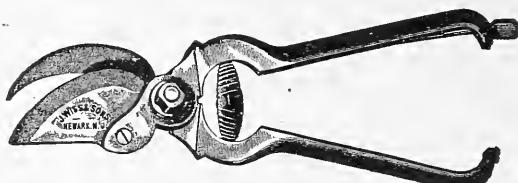
SHEARS, SHEEP or GRASS BORDER. Each, 30c and 50c.

SHEARS, PRUNING. Wiss Jr. No. 209. An extra fine quality shear, made of the best steel. \$1.50 each.

SHEARS, PRUNING. Wiss No. 109. The very best shear made. Each, \$4.50.

SHEARS, PRUNING. No. 4665, 9 inch, each, 90c. No. 607, 9 inch, each, \$1.40. No. R85. 9 inch, each, \$2.50.

FLORISTS' SHEARS or SNIPS. Wiss No. 1. Each, \$2.00.



Wiss Pruning Shears. No. 109.

CLYDE TREE PRUNERS. With removable cutting blade and pole complete.

	Each	Each
6 feet	\$2.00	\$2.50
8 feet	2.20	2.75

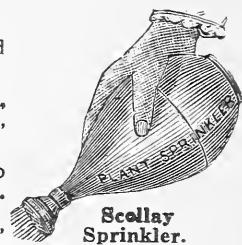
Extra Blades for Water's Pruners. 25c each.

SHOVELS. Dennis, solid steel, round point, D handle. Each, \$2.00.

SICKLES. For Grass. No. 1, each, 75c. No. 75, each, 60c; No. 5, each, 45c.

SIEVES. Any size mesh; made to order. Extra heavy, 18 inch, \$3.00.

SILKALINE. For stringing smilax, etc. Spool, 35c; 8 spools, \$2.50.



Scollay Sprinkler.

SPADES, STEEL. Best. Each, \$2.00.

SPADING FORK. Best steel. Each, \$1.50.

SPRINKLER, SCOLLAY'S RUBBER. Each, \$1.50.

SYRINGES, BRASS GREENHOUSE. No. 11. One stream, two sprays. Each, \$6.50.



Spading Fork.

STAKES, JAPANESE CANE. Natural, 6 ft. Doz., 40c; per 100, \$2.50; per 250, \$6.00; per 1,000, \$19.00.

HYACINTH STICKS, GREEN. 12 inch, per 100, 30c; per 1,000, \$2.50; 18 inch, per 100, 40c; per 1,000, \$3.50.

STAKES, JAPANESE GREEN CANE.

Per doz. Per 100

1½ feet	\$0.20	\$0.75
2 feet .....	.25	1.25
3 feet .....	.35	1.60
4 feet .....	.40	2.25

WOOD STAKES. Light tapering, round, painted green.

Per doz. Per 100

1½ feet	\$0.30	\$1.80
2 feet .....	.50	3.50
2½ feet .....	.70	5.00
3 feet .....	.90	6.50
3½ feet	1.10	8.00
4 feet	1.35	10.50
5 feet	1.75	18.00

ADJUSTO PLANT SUPPORT. Indispensable for Roses, Dahlias, Tomatoes and other plants.

Each Doz.

3 feet	\$0.20	\$2.00
4 feet .....	.22	2.25
5 feet .....	.25	2.50
6 feet .....	.28	3.00

This is the way you adjust it.

Each Doz.

3 feet	\$0.20	\$2.00
4 feet .....	.22	2.25
5 feet .....	.25	2.50
6 feet .....	.28	3.00

Miscellaneous Supplies--Continued



THERMOMETERS.

WILDER THERMOMETERS are the best and most carefully tested Thermometers made.

Greenhouse. Has black Japanned metal case, and has been carefully tested for accuracy. Each, \$1.00, postpaid.

Hotbed. Thoroughly tested; hard wood standard, with solid brass base and protector for the mercury bulb. Each, \$2.25, postpaid.

Self Registering. (Minimum and maximum.) Tycos make make; 10 inch. The best. Each, \$6.50, postpaid.

INCUBATOR THERMOMETERS. We have them for any make of Incubator.

No. 1042. Incubator. Length, 4½ in. Black oxidized. Each, \$1.00, postpaid.

No. 1052. Incubator. Length, 4½ in. Black oxidized, flange on upper edge. Each, \$1.00, postpaid.

No. 1046, with wire holder. Can be used on any incubator. \$1.00. Without holder, 85c, postpaid.

No. 1096, with adjustable brass legs and wire hangers. \$1.25, postpaid.

BROODER THERMOMETERS. No. 1122. Mounted on wooden post. Length 10 inches. \$1.00, postpaid.



TORCH. For burning caterpillars' nests. Asbestos, 65c. Peerless kerosene, \$1.25.

JOHNSON'S STEEL TROWELS, No. 211. These are made of one piece steel blade and shank, equal to the imported trowels.

P. P. Wt.

5 in. 1 lb. \$0.65
6 in. 1 lb. .75

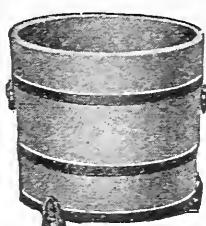
D. S. T. STEEL SHANK TROWEL. These are somewhat long in blade and handle, making a very practical tool. 6-in. blade. Will last a life time. \$1.10 each. Parcel Post Weight, 1½ lbs.

TROWELS, GARDEN. No. 215. English. 6 inch. Each, 60c.

TROWELS, GARDEN. No. 212. Steel, 6 inch. Each, 25c.

TRANSPLANTING TROWEL. Long, narrow steel blade. Each, 25c.

TWINE, JUTE. 2 or 3 ply. Lb., 40c; 10 lbs. at 38c. Ask for prices on larger lots.



Richmond Style.

Size	Diam.	Each
No. 3	8 inch	\$0.90
No. 5	10 inch	1.00
No. 7	12 inch	1.50
No. 9	14 inch	2.00
No. 11	16 inch	2.50
No. 13	18 inch	3.00

Size	Diam.	Each
No. 1	12 inch	\$3.40
No. 2	13 inch	4.00
No. 3	14 inch	5.50
No. 4	19 inch	7.50
No. 5	22 inch	9.50

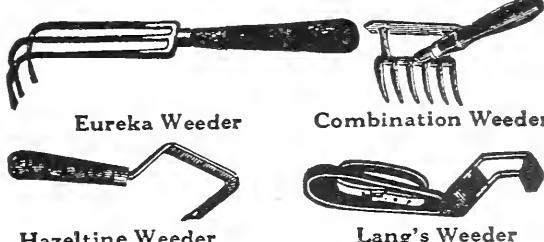
TREE SCRAPERS. Best steel, 10 and 20 inch handle. \$1.50.



WATERING CANS, WOTHERSPOON'S

Long spout. For greenhouses; round style. Heavy galvanized iron, 2 copper roses. Six qt. size, \$4.00; 8 qt. size, \$4.50; 10 qt. size, \$5.00; 12 qt. size, \$5.50; 16 qt. size, \$6.00. Low style for greenhouses, 4 qt. size, 2 roses, \$3.50.

WOTHERSPOON'S OVAL or FRENCH STYLE CANS. Like cut herewith. At 75c each, higher than the round style.



WEEDERS. Combination. Each, 40c.

Eureka. Best hand weeder for loosening soil around plants. Short handled, 45c. (Mailing weight, ½ lb.)

Hazeltine. Each, 35c. (Mailing weight, 6 oz.)

Excelsior Weeding Hook.

Can be used to great advantage among small and tender plants. Price, each, 15c; doz., \$1.50.



Lang's Hand Weeder. Is in our opinion the best; its special feature is a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price, 25c each.

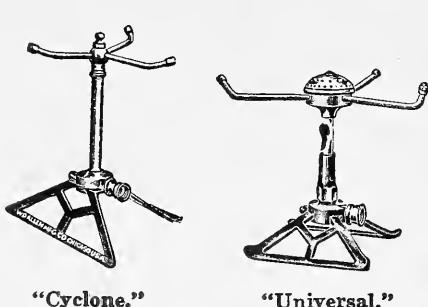
E-Z Magic Hand Wheeler. Combination spring tooth. Strong in construction, and light in weight. Each, 35c.



Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in green or aluminum.

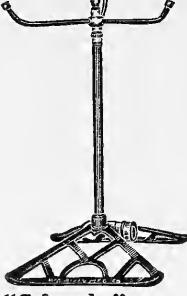
Height	Width	Length	Price
Model A,	8 inches, 9½ inches, 23 inches	.....	\$3.00
Model B,	8 inch, 9½ inches, 29 inches	.....	4.00
Model C,	8 inches, 9½ inches, 35 inches	.....	4.50
Model D,	8 inches, 9½ inches, 41 inches	.....	5.00
Model E,	8 inches, 12 inches, 12 inches	.....	3.00
Model F,	12 inches, 12 inches, 12 inches	.....	3.50

Lawn Requisites, Sprinklers, Nozzles, Mowers, Etc.



"Cyclone."

"Universal."



"Colorado."

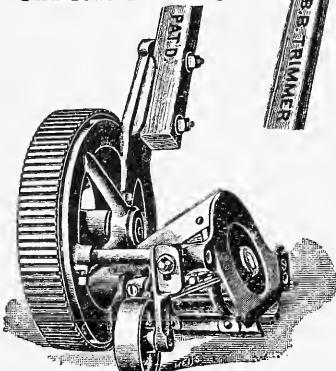
CYCLONE SPRINKLER.
Ground joint head. Head and arms finished brass, stem japanned red. Base japanned black with swivel hose connection. One of the most popular sprinklers on the market. Mailing weight 3 lbs. Each, \$2.25.

UNIVERSAL SPRINKLER.
Combination spray and three-arm revolving sprinkler, head and arms brass nickel plated, base japanned black with swivel hose connection. Head perforated giving more distribution than any other sprinkler. Recommended for heavy pressure. Mailing weight 3 lbs. Each, \$2.75.

COLORADO SPRINKLER.
Same general idea as the Cyclone except mounted on larger sled and longer stem. Covers a larger circle than the Cyclone. Mailing weight 5 lbs. Each, \$3.25.

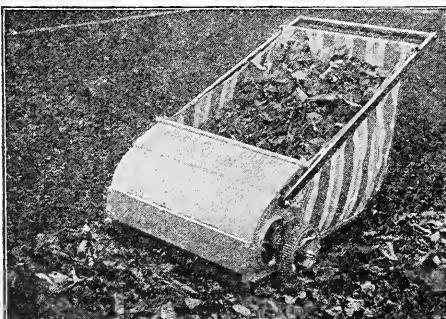
NOTE.
We also have a complete display of cheaper Lawn Mowers ranging from \$5.50 to \$16.00, in both the low and high-wheel styles.

Pennsylvania Undercut Trimmer.



PENNSYLVANIA LAWN CLEANER.

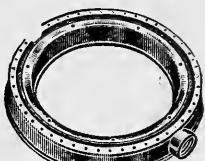
This machine will remove from the lawn not only the cut grass, but all sorts of litter, leaves and trash, leaving the grass standing upright and free from foreign matter that prevents the sunlight and dew from getting to the roots. Two widths 24 inches 36 inches
Price, each \$35.00 \$50.00
Extra Set Rakes or Brushes80 10.00
Always designate "Rakes" or "Brushes" when ordering.



Pennsylvania Lawn Cleaner.

RING SPRINKLER.

One of the most popular Sprinklers on the market; made of heavy sheet brass with perforations arranged to give rain-like effect. No parts to wear or lose. Mailing weight 1 lb. Each, \$1.00.



ALLEN SPRAY NOZZLE



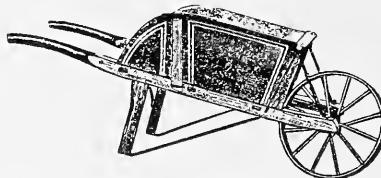
Water pressure before shipment. Mailing weight 1 lb. Each, \$1.00.

GALVANIZED STEEL HOSE CLAMP.

Made of steel, heavily galvanized by electro process, making it practically rust proof. Gives long service. Each, 4c; doz., 40c, postpaid.

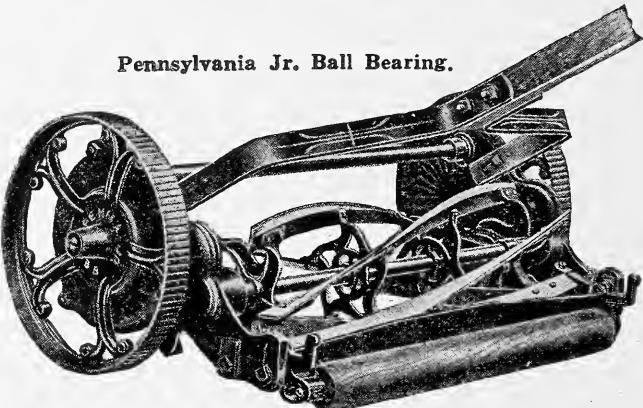


WHEEL BARROW, JOHNSON'S EXCELSIOR. Substantially made. Length of body, 26½ inches; width of body, wheel end, 18½ inches; handle end, 23 inches; depth, 12 inches; steel wheel, 12 inch diameter. Weight, 40 lbs. Each, \$9.50.

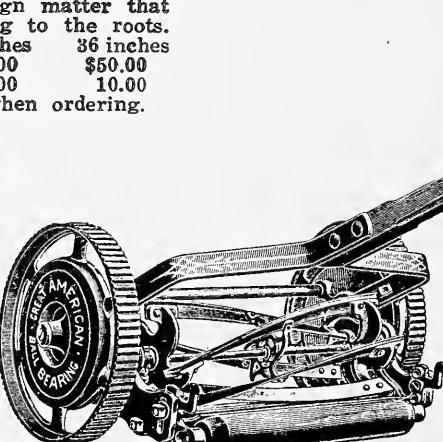


Pennsylvania Lawn Mowers and Cleaners

Pennsylvania Jr. Ball Bearing.



PENNSYLVANIA JR. Ball bearing. Five crucible tool steel blades. Gears—a triple set on each side. 10 in. wheels. Four widths of cut—15, 17, 19, 21, which sell at \$30.00, \$34.00, \$38.00, and \$42.00, respectively.



Great American Ball Bearing.

GREAT AMERICAN BALL BEARING. Has five crucible tool steel blades, double gears, 10 inch wheels. The bottom knife is self-sharpening. Ht. of cut can be adjusted from ½ to 1½ inches.

This mower is the best all-around machine of this kind. Four widths of cut—15, 17, 19, 21, which sell at \$30.00; \$34.00; \$38.00; and \$42.00 respectively.

Insecticides and Fungicides

For Insect Pests and Fungous Growths

LIQUIDS AND POISONS ARE NOT MAILABLE. OTHER INSECTICIDES AND FUNGICIDES MAY BE SENT AT PARCEL POST RATES IF YOU REMIT THE POSTAGE WITH YOUR ORDER.

NOTE—All prices are subject to change.

ANT EXTERMINATOR. For red and black ants. This powder exterminates them. $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; 1 lb., 75c.

APHINE. Effective against all soft-bodied and plant-sucking insects such as green, black, white fly, red spider, thrips, mealy bugs, brown and white scale, currant and cabbage worm, etc. Use as a spray or wash, diluting in water. An excellent cleanser for house plants. Pt., 75c; qt., \$1.15; gal., \$3.25.

ARSENATE OF LEAD, POWDER. Has all the advantages of the paste form, but goes twice as far and is easier to handle. Can be applied like Paris Green with powder guns. Gaining in favor. $\frac{1}{2}$ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 25 lbs., \$9.00; 50 lbs., \$17.00; 100 lbs., \$30.00.

BLACK LEAF 40. (Sulphate of Nicotine). Highly recommended for destroying aphis, thrips, etc., without injury to foliage. Perfectly soluble in water; no clogging of nozzles. Oz., 35c.

BORDEAUX MIXTURE, POWDER. In a popular and convenient form for immediate use; can be used dry or with water. $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.25; 10 lbs., \$2.25; 20 lbs., \$4.25.

COPPER SOLUTION. An excellent spray for mildew, blight and rust on fruit, flowers and vegetables. Should be diluted 100 times with water. Qt., \$1.50; gal., \$4.00.

CUT WORM KILLER. (See Vermine).

FLOWERS OF SULPHUR. (See Sulphur).

GETS-THERE SOAP. For washing palms. 3 lbs., \$1.00.

GRAPE DUST. Very efficient in destroying mildews and preventing blight, either in greenhouses or in the open. 5 lbs., \$1.00.

FUNGINE. A remedy for mildew, rust, bench-rot and other fungi. Does not stain the foliage. Pt., 75c; qt., \$1.15; gal., \$3.50.

HELEBORE. Best Grade, Powdered, White. For rose slugs, currant worms, etc. $\frac{1}{2}$ lb., 35c; 1 lb., 60c; 5 lbs., \$2.50.

INSECT POWDER, RED WING. Non-poisonous. A superior grade; kills all kinds of insects on plants in the garden and in the home. 10c and 25c, in automatic bellows box, postpaid.

KEROSENE EMULSION. An old reliable remedy for use against many soft bodied and sucking insects like plant lice, scale, mealy bug, etc. Kills by contact. Pt., 50c; qt., 85c; gal., \$2.25.

LEMON OIL. Claimed by many to be the best and cheapest insecticide in the market. Used now by nearly all the leading growers. It effectively controls mealy bugs, scale, thrips and red spider. Pt., 60c; qt., \$1.00; $\frac{1}{2}$ gal., \$1.75; gal., \$3.00; 5-gal. keg, \$12.50.

LIME-SULPHUR, POWDERED. Practical form of Lime-Sulphur in concentrated nature. Will readily mix with cold water and make fresh liquid Lime-Sulphur. 20 to 25 pounds will make 50 gallons liquid for dormant spray of 32 per cent Baume strength. Lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.25; 25 lbs., \$4.50; 100 lbs., \$15.50.

LIME-SULPHUR SOLUTION, LIQUID. For San Jose and all other scale insects. A fungicide. When used against scale, spray when the tree is dormant in the early spring or late fall. Qt., 50c; 2 qts., 75c; gal., \$1.25; 5 gals., \$3.75; $\frac{1}{2}$ bbl., 25c per gal.; bbl., 23c per gal. Barrels charged at \$2.00 each, but are returnable for credit.

STOP-VERMIN. Protects crops against the ravages of the root maggot and other garden pests; also eradicates earth worms from lawns and putting greens. Not injurious in any way to plant life, but is a valuable stimulant and fertilizer. In powder form, ready for use. Lb., 60c; 5 lbs., \$2.25; 10 lbs., \$4.00.



MELROSINE. Death to rose bugs and all other minor insects and diseases that affect the rose. Used in any spray pump.

$\frac{1}{2}$ -pint can	.....	\$0.50
Pint can	.....	1.00
Quart can	.....	1.75
$\frac{1}{2}$ -gal. can	.....	3.25
Gallon can	.....	6.00

NICO-FUME TOBACCO PAPER. Consists of a paper saturated with a nicotine solution containing not less than 20 per cent of nicotine. A most effective mode of fumigation for conservatories and greenhouses, leaving no odor in the flowers. Tight can of 24 sheets, \$1.35: 144 sheets, \$5.50; 288 sheets, \$10.00.

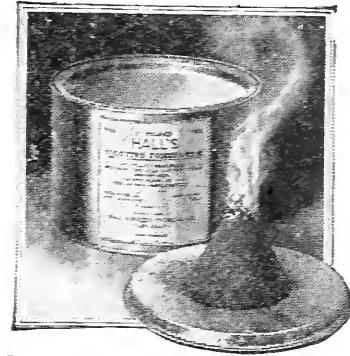
NICO-FUME LIQUID. A highly refined solution, containing 40 per cent nicotine, for spraying as a remedy for aphis, thrips, black and white fly. May be used for vaporizing. $\frac{1}{4}$ lb., 75c; 1 lb., \$2.35; 4 lbs., \$8.00; 8 lbs., \$15.00.

HALL'S NICOTINE FUMIGATOR, FOR GREENHOUSES.

A simple and effective preparation for fumigating greenhouses, for plant lice and thrips. It is a specially prepared tobacco powder, which has been treated to insure proper burning qualities, and which is saturated with pure Nicotine. 10-lb. tins, \$8.50; $\frac{1}{2}$ -lb. tins, \$2.50; 1-lb. tins, \$1.25.

HALL'S NICOTINE SULPHATE. For spraying fruit trees and truck crops—40 per cent Nicotine guaranteed.

Aphids, thrips and similar soft-bodied, sucking insects can be wiped out of the orchard or garden by systematic spraying with Hall's Nicotine Sulphate. 10-lb. tins, \$13.50; 2-lb. tins, \$4.50; $\frac{1}{2}$ -lb. tins, \$1.50.



PARIS GREEN. More extensively used than any other poison. Purest of all brands. $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; 1 lb., 65c. Special prices on large quantities.

PYROX, BOWKER'S. The one best spray for apples, potatoes and general purposes against leaf-eating insects and fungous diseases. This combined insecticide and fungicide is better than Paris Green, Arsenate of Lead or Bordeaux Mixture, and cheaper to use. It sticks to foliage like paint, in spite of heavy rains. Mix it with cold water, and it is ready to use. Lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.75; 50 lbs., \$11.50; 100 lbs., \$19.50.

SCALECIDE. Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons of water. Scalecide does not clog nozzles or pump. Qt., 75c; gal., \$1.85; 5 gal., \$7.50; 10 gal., \$12.50; 30-gal. bbl., \$29.50; 50-gal. bbl., \$48.50.

SULPHO TOBACCO SOAP. An excellent article for the greenhouse or conservatory. Especially good for destroying scale on palms and other plants. Soluble in warm water. 3 oz., 15c; 6 oz., 25c.

SLUG SHOT. Non-poisonous powder. Very effectual in destroying potato bugs, beetle, slugs, worms, caterpillars. Use by dusting on plants. 1-lb. carton, 20c; 5 lbs., 65c; 10 lbs., \$1.25; 25 lbs., \$2.75.

SULPHUR (Flowers of Sulphur). For mildew on plants etc. Lb., 12c; 5 lbs., 55c; 10 lbs., 90c; 25 lbs., \$2.00.

TOBACCO DUST. For dusting and fumigating. Best grade. The most effective and cheapest remedy for the flea on cabbage, etc. Lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 50 lbs., \$2.75; 100 lbs., \$5.00.

TOBACCO STEMS. For fumigating. Valuable as a mulch for rose beds and sweet peas. 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

THRIP JUICE (Hammond's No. 2). Effective for exterminating aphis, red spider, mealy bug, etc. Pt., 85c; qt., \$1.45; gal., \$4.50.

TREE TANGLEFOOT. A paste preparation for painting around the trunks of trees, in the form of a band, and insects and other crawling pests cannot get over it. Lb., 60c; 5-lb. cans, \$2.75; 10-lb. cans, \$5.25; 20-lb. cans, \$11.00.

TREE BANDS. Does all that the Tanglefoot will do, is more economical and is not unsightly. 25-foot roll for \$1.25; 100-foot roll for \$6.75.

VERMINE. For all soil vermin, such as cut-, eel-, wire-, and grub-worms, slugs, root lice, maggots and ants. Pt., 65c; qt., \$1.00; gal., \$3.00.

WORM ERADICATOR, READE'S. For removing worms from greenhouses, lawns, flower pots, vases, etc., without damage to the plants. Bottles, 50c and \$1.00; gal., \$1.25.

WHALE or FISH OIL SOAP. For destroying and preventing insects on plants, trees, vines, etc. Very easily applied and very effective. Lb., 35c; 5-lb. can, \$1.50.

X. L. ALL COMPOUND. For spraying very delicate plants; kills mealy bug, red spider and all insect pests. Pt., \$1.50; qt., \$2.25; 2 qts., \$4.25. All British measure which is larger than U. S. measure.

Johnson's High Grade Fertilizers

Beware of stable manure. It will fill your lawn with weeds, and cause you many times the cost of a good commercial fertilizer, such as Sheep Manure or Bone Dust.

Prices on all fertilizers are subject to change without notice.

Two Good Fertilizers for Your Lawn and Garden

Superior Brand Pulverized Sheep Manure

FREE OF WEEDS.

This is a pure natural manure and one of the most nutritious foods for plants. Its effect is immediate. It is very rich, safe and gives quick results. It will give excellent results on flower beds, lawns or in vegetable gardens, as it contains all the elements for promoting a quick, luxuriant growth, as well as adding body to the plant. Can be used either in dry form or dissolved to make a liquid manure. If applied dry, no raking off is required as it does not disfigure the grounds, nor does it contain seeds of foul weeds, nor offensive odor. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. Pulverized Sheep Manure acts quickly and for the garden, lawn or greenhouse nothing surpasses it; it is clean and easily handled, besides giving immediate results.

Prices

2 lbs.	\$0.20	100 lbs.	\$3.50
5 lbs.	.35	500 lbs.	15.00
10 lbs.	.60	1000 lbs.	26.00
25 lbs.	1.25	2000 lbs.	50.00
50 lbs.	2.00		

BLOOD (Dried). For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.50; 50 lbs., \$4.50; 100 lbs., \$8.50; 200 lbs., \$16.00.

COW or CATTLE MANURE (Shredded). One sack of this is equal to one cart-load of fresh cow manure. Especially suited for soil mixing, mulching and liquid manuring. 100 lbs., \$3.50; 500 lbs., \$15.00; 1000 lbs., \$26.00; ton, \$50.00.

HARDWOOD ASHES. Highest grade unleached. For top-dressing lawns, especially if the soil is stiff or sour, 1½ to 2 tons to the acre. 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$2.75; 500 lbs., \$11.00; 1000 lbs., \$20.00.

AGRICULTURAL HYDRATED LIME. It supplies the element calcium to plants; it makes "sour soil sweet," changes an acid condition to a slightly alkaline one; it has the power to shrink clay and adobe soils, making a larger number of crumbs from a sticky mass; it prevents packing, baking and cracking, makes cultivating easier; it promotes the normal decay of organic matter in the soil. It destroys fungus and the germs of insect life that infest the soil. Hydrated Lime, because of its fineness, high calcium content and concentrated condition, is the ideal agricultural lime and the most economical on the market. Use one-half less than other forms of lime. In sacks weighing 50 lbs. per sack, \$1.50; 2 sacks (100 lbs.), \$2.50. Delivered anywhere in the city. Write for prices on ton lots.

NITRATE OF SODA. Break up the lumps before using. Apply in the home garden as a solution one ounce to two gallons of water. For asparagus use 250 lbs. per acre when growth starts. For strawberries top dress with 100 lbs. per acre just after blossoming. For other crops use 100 lbs. per acre when the plants are well established. 1 lb., 15c; 5 lbs., 50c; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00. Write for prices on larger quantities.

BONE AND BLOOD. For cabbage, cauliflower, corn and other crops of big surface growth; not desirable for root crops except as it is used in connection with potash, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 300 to 500 lbs. per acre. 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.50; 500 lbs., \$20.00; 1000 lbs., \$37.00; 2000 lbs., \$70.00.

PURE CRACKED BONE. For grape vines, fruit trees, shrubs and trees of all kinds. Should be used when planting out and should be well mixed with the soil to the depth of a foot or more. 5 lbs., 50c; 25 lbs., \$1.50; 100 lbs., \$5.50; ½ ton, \$25.00; ½ ton, \$45.50: ton price on application.

CLAY'S FERTILIZER. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them back to the highest perfection. It should also be used in potting soil as a top dressing. 28 lbs., \$5.00; 56 lbs., \$7.50; 112 lbs., \$14.50.

SCOTCH SOOT (Genuine Imported). Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms. 28 lbs., \$2.75; 56 lbs., \$4.00; 112 lbs., \$7.50.

LEAF MOLD. Indispensable for azaleas, rhododendrons, etc. In sacks of about 120 lbs., \$3.00 per 100 lbs.

Bone Meal

JOHNSON'S SUPERIOR BRAND.

Stable dressing is unpleasant to handle and always contains more or less weed seeds. There are no weed seeds in this fertilizer. It will impart to your lawn that much desired dark green and velvety appearance. Should be applied as a top dressing either in spring or fall. Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high class fertilizer counts.

Prices

3 lbs.	\$0.25	100 lbs.	\$4.00
5 lbs.	.40	200 lbs.	7.50
10 lbs.	.65	1000 lbs.	35.00
25 lbs.	1.25	2000 lbs.	60.00
50 lbs.	2.25		

SULPHATE OF AMMONIA. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. 5 lbs., 55c; 100 lbs., \$6.00.

MURIATE OF POTASH. Apply 100 to 125 lbs. per acre usually with other fertilizers. 5 lbs., 45c; 100 lbs., \$4.75.

TANKAGE. For roses, etc., under glass; similar to dried blood. 50 lbs., \$2.25; 100 lbs., \$4.00; 200 lbs., \$7.00; ton, \$60.00.

MOSS, SPHAGNUM. For filling orchid baskets, etc., and for mixing with potting soil to conserve moisture. In large bales of about 30 lbs. at \$2.50 per bale, f. o. b. Cleveland.

PEAT, ORCHID. For potting orchids, etc. In sacks of about 30 lbs. at \$3.00 per sack.

PEAT, ROTTED. Fine for mixing with soil for potted plants such as azaleas, palms, etc. In sacks of about 85 lbs. at \$4.00 per 100 lbs.



Feed Your House Plants
New Life and Vigor -

SUPERIOR HOUSE PLANT FOOD. Plant success is a matter of feeding with definite amounts of correctly balanced plant foods as the plants require them. Superior House Plant Food is a well balanced food which enables the planter to keep development absolutely under control, for he can feed his plants as they require food. 3-oz. can, 25c; 7-oz. can, 50c; 16-oz. can, \$1.00, postpaid.

STIM-U-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office.

Stim-U-Plant Tablets are designed for use by all who grow plants—home gardeners, market gardeners, small fruit growers, florists and farmers. Trial size, 15c; 30 tablets, 25c; 100 tablets, 75c; 1000 tablets, \$3.50, postpaid.



Let Certainty Replace Gamble

Poultry raising may be uniformly successful. Given proper equipment and attention, any person may earn big profits at the end of the season. The profits depend upon two factors—the proportion of eggs hatched into healthy, vigorous chicks, and the number of these chicks raised to maturity.

WHERE PROFITS GO

Every hatchable egg that fails to develop into a good chick, and every chick that dies is a direct cut into the profits. That is why you cannot afford to take chances on inferior or unproved equipment, and it is also why experienced poultrymen in all parts of the world use "Buckeye" Poultry Raising Equipment.

This experience has proven to them that Buckeye Incubators hatch every hatchable egg, and Buckeye Brooders raise every raisable chick. There is no gamble, no large loss to eat up the profits. Ask the Buckeye user—he knows.

A MILLION DEPEND UPON IT.

That million poultry raisers who depend upon Buckeye Equipment do so because they have learned its reliability, its economy and its convenience. And Buckeye Incubators succeed because they combine the results of over thirty years' research and experience into the perfect incubator, automatic in regulation, simple in operation, free from frills, yet possessing every essential feature. The test of time endorses the teaching of experience and both point to the Buckeye as the World's Best Incubator, from the little 65 egg size up to the largest mammoth, holding 10,368 eggs.

ASSURANCE OF SUCCESS

Buckeye Brooders are sold under a positive money-back guarantee of satisfaction because they, too, have proved themselves. They make three chicks grow to quick maturity where one grew before; they reduce the expense to half, and the labor to a fourth, and they have the unqualified endorsement of authorities everywhere. With such equipment the gamble comes out of the chick-raising. You have the assurance of success. The proof of these statements is contained in an illustrated descriptive catalog, that is yours for the asking. Or better still—come and let us show you some Buckeye Incubators and Brooders.

A REVOLUTION IN CHICK RAISING

For a long period of years the successful rearing of chickens has been the most serious problem that has confronted the poultry raisers throughout the world, and it was not unusual for experienced producers to lose fifty per cent or more of the chicks they hatched. This situation was caused in large part through the use of brooding devices that were designed with closed chambers, which made

temperature regulation of the brooding chamber almost impossible, and at the same time obliged the chicks in many instances to step from a heated temperature of ninety-five to one hundred degrees into a room temperature which was frequently down to fifty degrees or less. As a result of these unsatisfactory conditions, the chicks were frequently overheated or chilled to such an extent that serious bowel troubles would result, and a large percentage of deaths or weaklings would follow.

BUCKEYE GUARANTEE.

This Buckeye Incubator is guaranteed to hatch every hatchable egg, and we further guarantee the perfect working of all its mechanical parts. Should the Incubator fail to fulfill our guarantee in any particular, it may be returned to us at our expense (via freight) any time within 40 days after its receipt, and we will send the purchaser a new incubator in exchange.

"BUCKEYE" Hot Water Incubators

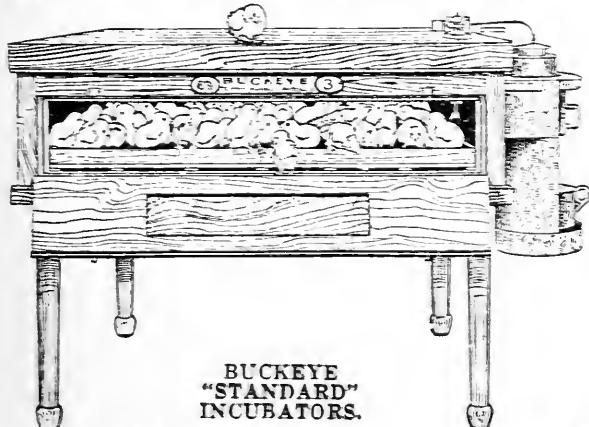
FREE DELIVERY.

We will Deliver Free any Buckeye Incubator or Brooder, or we will ship. Charges PREPAID to any point within 50 miles of Cleveland.

HATCH MORE AND STRONGER CHICKS.

The Buckeye will hatch more chicks and stronger chicks than any other make of incubator. It requires no artificial moisture; will operate satisfactorily in any climate, and requires no attention to the regulator from the time a hatch is started until it is finished.

Buckeye "Standard" Incubators are equipped with every desirable device that could possibly add to the efficiency of an incubator. Only the best of materials are used, and each machine is inspected by the National Board of Insurance Underwriters before it leaves the factory.

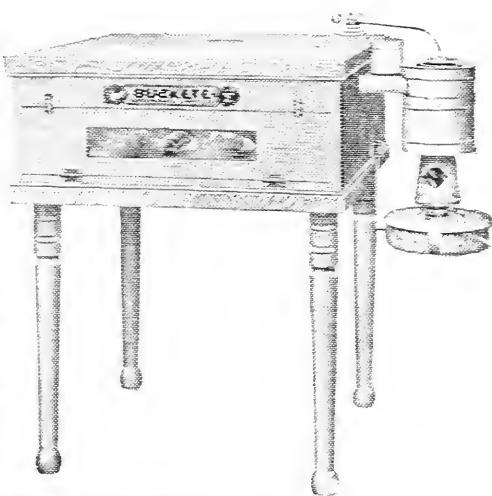


BUCKEYE
"STANDARD"
INCUBATORS.

No. 1. Capacity 120 eggs,	Price, \$37.50
No. 2. Capacity 175 eggs,	" 44.50
No. 3. Capacity 250 eggs,	" 57.75
No. 4. Capacity 350 eggs,	" 68.00
No. 5. Capacity 600 eggs,	" 107.00

NO PREVIOUS EXPERIENCE NECESSARY

It is not necessary to have any previous experience to operate a Buckeye. The entire Buckeye system is so simple that a boy or girl can operate it as satisfactorily as an experienced operator.



BUCKEYE "STYLE E" INCUBATORS
(Shown Above.)

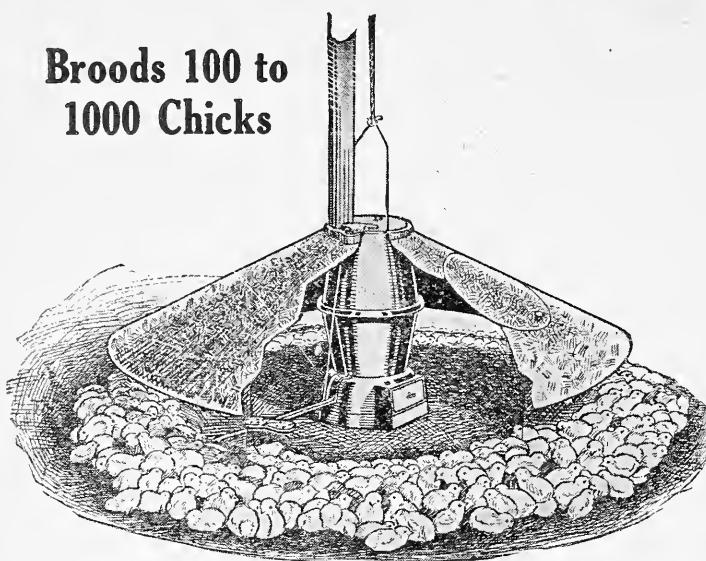
No. 16. Capacity 120 eggs.....	Price \$27.50
No. 17. Capacity 210 eggs.....	" 36.75

This incubator is especially adapted for use by the small producer. It has all the equipment of the larger machines, and will hatch just as many high quality chicks as the larger sizes. This incubator is identical with the Style E, excepting that it has short legs for table use.

No. 14. Capacity 65 eggs.....	Price \$16.50
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The Buckeye Colony Brooder

Broods 100 to 1000 Chicks



THE GREATEST COAL-BURNING BROODER EVER INVENTED. Self-Feeding, Self-Regulating, Everlasting. Heavy cast-iron stove that requires coaling but once every 24 hours in any temperature. Fifty-two-inch hover that will positively brood 1,000 newly hatched chicks.

The Buckeye Colony Brooder is the most practical brooding device ever invented. It will do anything and everything that any other brooder will do, and do it better. It is infinitely more satisfactory than brooders selling at twice the price. We are so positive that it cannot fail that we will permit you to try one for thirty days and Write Your Own Money-Back Guarantee. We furnish three sizes.

No. 18 Buckeye Standard Brooder—Capacity 500 chicks \$21.50

No. 19 Buckeye Standard Brooder—Capacity 1000 chicks 26.50

No. 25 Buckeye Standard Brooder—Capacity 1200 chicks 30.00

Ask for illustrated Buckeye catalog.

Buckeye Blue Flame Oil Colony Brooder

Here is a Colony Brooder heated by an extremely efficient "Blue-flame" burner that can be used to good advantage by breeders who are unable to secure hard coal.

These brooders are equipped with a wickless type of blue-flame burner that will furnish an abundance of heat at a very low cost of operation. There is nothing complicated about their operation, and since we know them to be the most highly efficient brooder of this type on the market, we have no hesitation about recommending them to our trade.

All these brooders, regardless of size, are equipped with a self-feeding oil container holding one gallon of oil, which never requires filling more than once in twenty-four hours.

The flame in the burner is controlled by a finely adjusted valve which requires very little attention.

The hovers are substantially built of galvanized steel and are supported by four cast-iron legs.



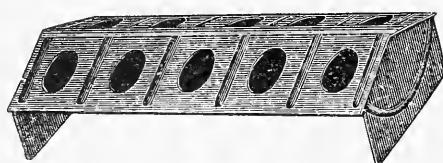
No. 27. Capacity, 200 chicks. Diameter, 34 inches. Shipping weight, 40 lbs. Price, \$17.50.

No. 28. Capacity, 350 chicks. Diameter, 42 inches. Shipping weight, 50 lbs. Price, \$20.00.

No. 29. Capacity, 500 chicks. Diameter, 52 inches. Shipping weight, 60 lbs. Price, \$22.50.

Poultry Supplies

We have space to list but few of the many items we carry in leading Poultry Supplies.

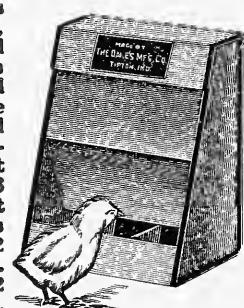


Chick Feed Troughs

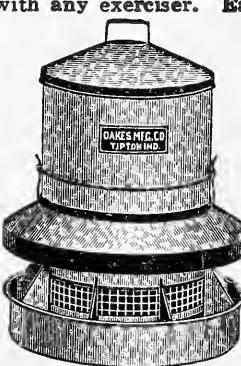
These troughs are very convenient for feeding flocks of growing chicks. The trough is made on a half circle so that every bit of feed can be easily eaten out of it. 10 inch trough, 35c; 20 inch trough, 50c. Add 8c each for postage.

Chick Grit and Shell Box

Growing chicks should have grit, oyster shell and charcoal always before them; and for this purpose our Chick Grit and Shell Box is indispensable. Height 7½ inches, width 6 inches, depth (front to back) 4 inches at bottom, and 2 inches at top. 75c. Shipping weight, 2 lbs. Larger size, \$1.10.



O. K. Exerciser Feeder
This is one of our leaders for 1924: It is exceptionally good value for the price. The hopper holds 12 quarts. The O. K. Exerciser is perfectly weather proof and will compare favorably with any exerciser. Each, \$2.00. 3 lbs.



Round Pigeon and Chick Hopper

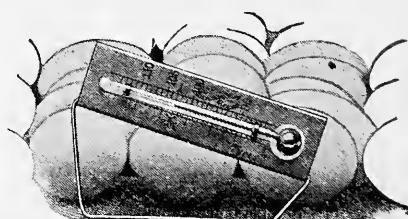
Made of galvanized steel and the galvanized wire grating is adjustable, up and down, to regulate the feed, which is automatic. A neat, practical, and durable hopper. Height, 13½ inches; diameter of hopper, 7½ inches; diameter of pan, 10½ inches. \$2.00. Shipping weight, 8 lbs.



Thermometers

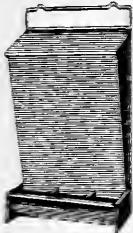
The most important equipment to your incubator is an accurate, reliable thermometer. We carry two brands, the Tycos and the Wilder. These names stand for quality. Can be used on any make incubator.

Buckeye Thermometer, with wire holder \$1.00
Standing brass legs, adjustable 1.00
Reclining or hanging 1.00
Brooder thermometer, 10 inch 1.00
Postage on each, 5c additional.



POULTRY SUPPLIES—Continued.

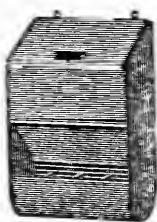
Standard Grit and Shell Box



This Grit and Shell Box has slanting front, inclined top and round bottom to trough. Just the thing to hold oyster shell, charcoal and grit for a small flock of fowls. Each, \$1.25. Weight, 2 lbs.

Dry Mash Hopper

The door hinged on the front is raised, as shown in the cut, for the fowls to eat; but when it is let down it closes the hopper up completely, making it rat, mouse and dust proof. The Economy hopper is 18½ inches high, and 6½ inches wide, and made in two lengths. No. 1 Economy Dry Mash Hopper, 12 inches long, one compartment, \$1.75. Shipping weight, 7 lbs. No. 2 Economy Dry Mash Hopper, 24 inches long, \$2.50. Shipping weight, 13 lbs.

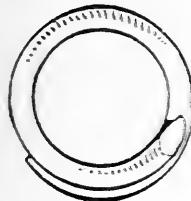


Oakes Feeder and Fountain

A galvanized pan made to hold any Mason fruit jar. Easily cleaned and keeps water always so it can be seen.

Oakes Feeder

Can be used either for feed or water. We do not furnish jars. Price, each, 15c; 2 for 25c; by parcel post, each, 20c; 2 for 35c.



Colored Celluloid Leg Bands

Best quality. Made of Celluloid in six sizes and ten colors: White, Black, Dark Blue, Light Blue, Red, Pink, Garnet, Green, Yellow, Purple.

(Sizes)	12 Bands	25 Bands	50 Bands	100 Bands	500 Bands	1000 Bands
Asiatic						
American	.15	.30	.50	.75	1.00	1.50
Mediterranean	.15	.30	.50	.75	1.00	1.50
Bantam	.12	.25	.50	.75	1.00	1.50
Pigeon	.12	.25	.50	.75	1.00	1.50
Baby Chick	.10	.20	.35	.50	1.00	1.50

Colored Leader—Adjustable



For a general purpose band that provides quick and accurate identification, this Colored Leader cannot be equalled. It will fit anything from Bantam to Cochinchin or Tom Turkey or Goose. Light in weight, but of sturdy design and construction. Continuous line of color around the band so that a bird can be distinguished, so far as brood or pen is concerned, from a distance.

A "Cracker Jack" for trap nesting. Prices, 12, 35c; 25, 60c; 100, \$1.50; 500, \$6.50; 1000, \$12.50.

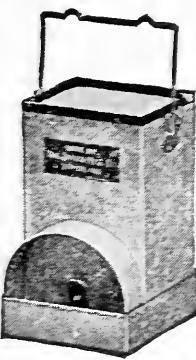
Sanitary Wall Fountain

These fountains are very convenient to handle and more sanitary than the ordinary kind. A hood projects over the water trough and protects the water from getting soiled. The back is flattened for ease in hanging up. 1 qt. size, 60c, shipping weight, 1 lb.; 1 gal. size, \$1.25, shipping weight, 3 lbs.; 2 gal. size, \$1.60, shipping weight, 5 lbs.



Drop Bottom Fountain

In this style of Drinking Fountain, the pan which forms the trough from which the fowls drink is hinged at the back and fastened by a brass latch in front. The hood over the trough prevents falling dust and dirt from getting into the water; and when the bottom is turned back, the inside of the fountain can be easily cleaned out and kept in sanitary condition. 2 qt., 90c, shipping weight, 2 lbs.; 1 gal., \$1.15, shipping weight, 3 lbs.; 2 gal., \$1.35, shipping weight, 5 lbs.



Petty Poultry Punches

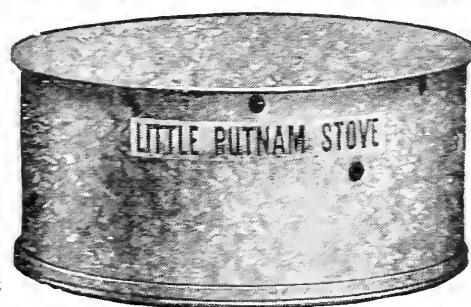
The Petty Poultry Punch for marking chicks by punching the web of the feet, is made of steel, nickel plated. It is substantially made, cuts a clean hole, and is convenient to use. Each, 25c, postpaid.

The Little Putnam Stove

Keep drinking water from freezing. Water kept at a proper temperature is a big help in getting winter eggs. This little stove makes it easy to supply your fowls with water at just the right temperature all through the winter. Set an ordinary fountain or water dish on this stove and it will keep the water from freezing. Absolutely safe, for if it becomes buried in the litter or is tipped over it will go out. Costs only 20c to 30c for oil to run an entire winter—others cost 75c to \$1.50 per season.

Also ideal for making an Oat Sprouter. One of these stoves and one or two rubber or shoe boxes will make a good Oat Sprouter. Full directions sent with stove.

The Little Putnam Stove is nine inches in diameter and four inches high; made of galvanized iron and equipped with a burner which embodies an entirely new principle in oil combustion. Combustion is complete and perfect, doubling the heat value of the oil. Price, each, \$2.50. Parcel post weight 3 lbs.

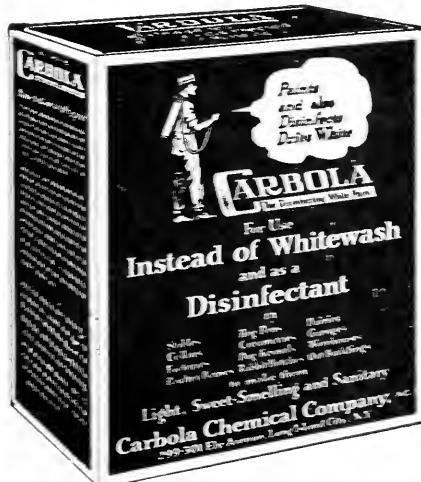
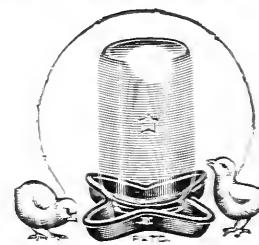


Aluminum Leg Bands

MOE'S 234
LEG BAND
No. 130. Aluminum, with extra large raised numbers, easy to read, adjustable for any size fowl. Quickly applied. Package of 12 \$0.15 \$0.25 \$0.45 \$0.75 \$3.50 \$6.00
Price \$0.15 \$0.25 \$0.45 \$0.75 \$3.50 \$6.00

Star Fountain and Feeder

Made of a single piece of heavy metal. No solder, no seams, no loose parts. Suitable for feed as well as water. Little chicks can not drown. Fits any Mason jar in 1 pint, 1 quart, and 2 quart sizes. No. 32 (glass jar not included), each, 15c; 6 for 80c; \$1.50 per doz.



Carbola

A disinfecting germ-killing white paint.

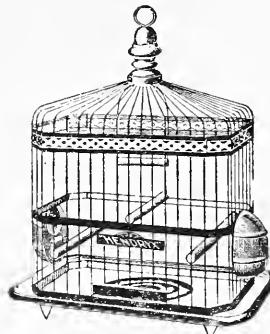
There is nothing that contributes more to success in poultry raising than absolute cleanliness and sanitation in the poultry house. Clean living quarters mean as much as proper feeding. 5 lb. carton, 75c; 10 lb. pkgs., \$1.25; 50 lb. bag, \$5.00.

Canaries

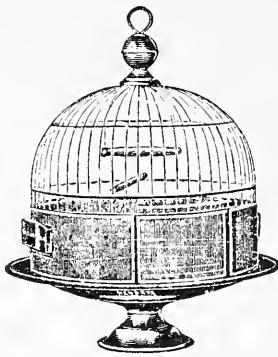
We carry a full line of the very best Imported Canaries in both Hartz Mountain and German Rollers. Male birds all guaranteed, ranging from \$8.00 to \$15.00 each. Female birds of the above species at \$3.00 each.

Mail order customers may rest assured of a high class selection if same is left to us. We guarantee satisfaction.

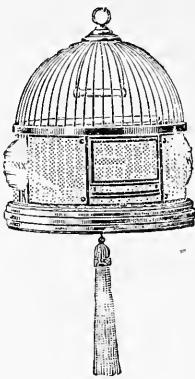
When ordering please state whether you prefer a light colored bird or one with some dark markings.



No. 065



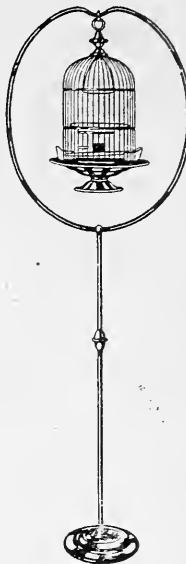
No. 274



No. 530G



No. 17A



No. 19A

FLOOR CAGE STANDS.

Prices do not include cages. Height of all stands 5 feet 7 inches.

No. 17A. Black base, polished brass upright and arch. Each, \$8.75.

No. 17B. Black base, black upright with brass plated arch. Each, \$6.25.

No. 17I. Ivory base, ivory upright with brass plated arch. Each, \$7.25.

No. 19A. Brass base cover over iron casting. Brass tubing upright with solid brass arch. Each, \$11.25.

All cages and stands delivered free within 50 miles of Cleveland.

Recleaned Bird Seeds, Pet Supplies, Etc.

Our bird seeds are the highest quality, fresh and recleaned. Your feathered pets will thrive if you get your supplies in this line from us.

1/4 lb. Lb. 5 lbs. 10 lbs.

Ant's Eggs	\$1.25	\$4.00		
Canary. Plain Sicily	\$0.15	\$0.65	\$1.15	
Canary, Mixed	.15	.65	1.15	
Hemp Seed	.15	.70	1.30	
Millet Seed. (Imported)	.12	.55	1.00	
Rape Seed	.15	.70	1.30	
Unhulled Rice	.25	1.10	2.00	
Bird Manna. Keeps Canary Birds in prime condition. Pkg., 15c.				
Cuttle Fish Bone. 5c each; 1/4 lb., 20c; 60c per lb.				

Fish Food. For aquariums. 15c pkg.

Lettuce Seed. 5c per oz.; 10c per 1/4 lb.; lb., 30c.

Maw Seed. 1/4 lb., 10c; 30c lb.; 5 lbs., \$1.25.

Parrot Food. (Spratt's). 20c pkg.; \$2.00 doz.

Sand for Bird Cages. Fine, Red or Silver, 10c pkg., doz. pkgs., \$1.00. Silver (coarse), 10c pkg.; doz. pkgs., \$1.00.

Song Restorer for Canaries, revives the desire to be lively and sing more lustily. Price, 25c; per doz., \$2.50.

Prices on Bird Seeds Subject to Market Changes.

SUNFLOWER SEED.

We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article. 15c per lb.; 2 lbs., 25c; 60c for 5 lbs.; 10 lbs., \$1.10.

Rustic Bird Houses

ABOUT WRENS. Place Wren Houses near your dwellings; the wren is hardly ever known to nest off in the woods. If not disturbed, they will become very tame. These Wren Houses are made with 1-inch holes so that sparrows cannot disturb the occupants.

No. 60
Robin House.
Price, \$1.75.
P. P. Wt. 3 lbs.

No. 61

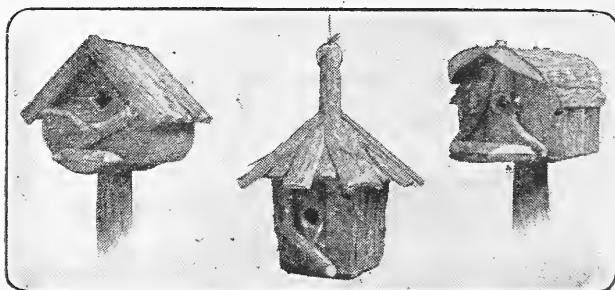


No. 61
Wren House.
(Swinging House.)
Price, \$2.50.
P. P. Wt., 5 lbs.



No. 62, No. 60.

No. 62
Blue Bird House.
Price, \$2.50.
P. P. Wt., 3 lbs.



No. 11

No. 11
Price, \$2.00.
Weight, 3 lbs.

No. 12

No. 12
Price, \$2.00.
Made to Swing.

No. 13

No. 13
Price, \$2.00.
P. P. Wt., 3 lbs.

Johnson's Fruit Trees and Small Fruits

SMALL FRUITS AND FRUIT TREES. Owing to the fact that it is best to transplant hardy fruits as soon as possible after they have been taken from the soil, we have found that it is much more satisfactory all around for our customers to leave their orders, and we will have them packed separately at the nursery. They will be delivered to the purchaser in much better condition than if we tried to carry a complete stock at our store.

At the prices we quote we do not guarantee nursery stock, and will make no replacements. We deliver stock in good condition, and therefore cannot be responsible for improper planting nor adverse growing conditions.

FRUIT TREES

Apples

Standard Trees, 5 to 7 ft., each, \$1.50; Doz., \$15.00.

The following list of Apples embraces varieties which have been tested, and can be recommended as the very best for general cultivation.

The varieties are arranged in the relative order of their ripening.

SUMMER APPLES

YELLOW TRANSPARENT. Free growth; roundish, oblate, slightly conical; pale yellow; tender, juicy, sprightly sub-acid. Ripening late July.

RED ASTRACHAN. Free growth; large, roundish; deep crimson; juicy, rather acid; very hardy. Ripening late July.

WILLIAMS' FAVORITE. Moderate growth; large, oblong red; rich and excellent. Ripening late August.

AUTUMN APPLES

WEALTHY. Free growth; medium; dark red; juicy, vinous, sub-acid; good; very hardy. Ripening September.

FALL PIPPIN. Free growth; very large; yellow, tender, rich. Ripening September to December.

FAMEUSE, or SNOW. Vigorous growth; medium; deep crimson; tender, sub-acid, delicious. One of the best.

WAGENER. Vigorous growth; medium to large; yellow and crimson; juicy and sub-acid. Early October.

JONATHAN. Medium growth; red and yellow; tender, juicy and rich; very productive. Early October.

WINTER APPLES

NORTHERN SPY. Fruit is large, flesh is very juicy and crisp. November.

DELICIOUS. The color is brilliant dark red, shading to yellow at the blossom end. The flesh is crisp, fine-grained and quite juicy; flavor slightly acid, but very pleasing. November.

BALDWIN. Vigorous growth; large; bright red; crisp, juicy; sub-acid; good; the most popular and profitable market sort. Ripening November to March.

Peaches

5 to 6 ft. each, \$1.25; Doz., \$12.00.

CHAMPION. Handsome creamy white with red cheek. It is of large size and of very superior flavor.

CRAWFORD'S EARLY. Very large; yellow; juicy, melting; freestone. Ripening end of August.

CRAWFORD'S LATE. Very large; yellow; juicy, good; freestone. Ripening end of September.

Pears

Standard Varieties, 5 to 7 ft., each \$2.00; Doz. \$17.00

Plums

Trees, 5 to 7 ft. Each \$1.75; Doz., \$16.00.

BRADSHAW. A very large, oval; bark violet red; juicy, sweet and good; a valuable market variety.

COE'S GOLDEN DROP. Very large; light yellow; rather firm; rich, sweet and good; adheres to the stone.

LOMBARD. Medium, oval; violet red, juicy, pleasant and good; very productive.

Cherries

Standard Varieties, 2 to 3 years, Each \$2.25; Doz. \$17.50.

Plant fruit trees one inch deeper than they stood in the nursery row.

Press the earth firmly about the roots.

Trim broken or bruised branches, also two-thirds of the previous season's growth.

SMALL FRUITS

Blackberries

Dozen, \$1.25; 100, \$1.00.

ELDORADO. Extra fine and very hardy; large sweet berry.

SNYDER. Medium size; very fine.

Currants

Each 35c; Doz. \$3.50; 100 \$20.00, Except where Noted.

BLACK NAPLES. Large black for preserves.

CHERRY. Large, red, popular sort.

FAY'S PROLIFIC. Largest and finest red.

PERFECTION. New! Color red; larger than Fay and Cherry. Each, 45c; Doz., \$4.00; 100, \$24.00.

Raspberries

Dozen, \$1.50; 100, \$8.00.

CUTHBERT. Medium to large, red, sweet.

MARLBORO. Popular red sort. Early and hardy.

GOLDEN QUEEN. Large, yellow and firm; fine quality.

GREGG. Large, black cap; great bearer.

ST. REGIS. An everbearing red variety. Doz., \$1.50.

Grapes—Hardy Varieties

Each, 60c; Doz., \$6.00, Except where Noted.

BLACK

CONCORD. Large, always reliable. Medium.

MOORE'S EARLY. Large, fine quality. Early.

WORDEN. Large, excellent quality. Early.

RED

BRIGHTON. Large, best quality. Early.

Each, 75c

DELAWARE. Small, delicious. Late.

WHITE

MOORE'S DIAMOND. Large, excellent. Early.

NIAGARA. Large and productive. Medium.

Strawberry Plants

Standard Varieties: Doz. 75c; per 100, \$2.50.

The Strawberry may be successfully grown in any soil adapted to the growth of ordinary garden crops. The ground should be well prepared by plowing at least 12 inches deep, and properly enriched. Where the winters are severe, a slight covering of straw will be of great service.

BRANDYWINE. Midseason. Famous among commercial growers for its quality as a shipper. Color blood red; round; yields very large crops of finest quality berries.

GLEN MARY. An excellent berry for quality, large size and productiveness, and one that meets all requirements for home and market use. Usually the last berries picked are as large as the first. The color, which is a deep, glossy crimson, is very attractive.

SAMPLE. A variety much used for market. A heavy yielder of large berries of excellent flavor. An imperfect flowering variety; should be planted with any of the mid-season varieties we offer.

SENATOR DUNLAP. Midseason. Is one of the universally popular varieties; famous as a shipper. Color dark red; fruit large, rich flavor.

Everbearing Varieties: Doz. 75c; per 100, \$3.00.

PROGRESSIVE. This variety is one of the most perpetual, producing good picking for approximately four months, when weather is favorable. Berries of medium size, dark red inside and out.

SUPERB. The fruit is very large, glossy dark red color, particularly firm and of choicest quality. The Superb is the largest Fall Strawberry.

The Strawberry plants offered on this page are Layer Plants, and are for Spring Delivery. Pot-grown Plants will be Ready in August.



Gladioli are among the best of the summer-flowering bulbs. Anyone can grow them, and they are lovely enough to satisfy the most exacting. There is no limit to the range of colors. Nothing is finer for vases than a bunch of Gladioli. The flowers will last for days, and the buds develop into blossoms after being cut. (See page 51 for the list of Gladioli.)

JOHNSON'S SEED STORE

2158-60 East Ninth Street CLEVELAND, OHIO

